

Construction



MARCH 1950

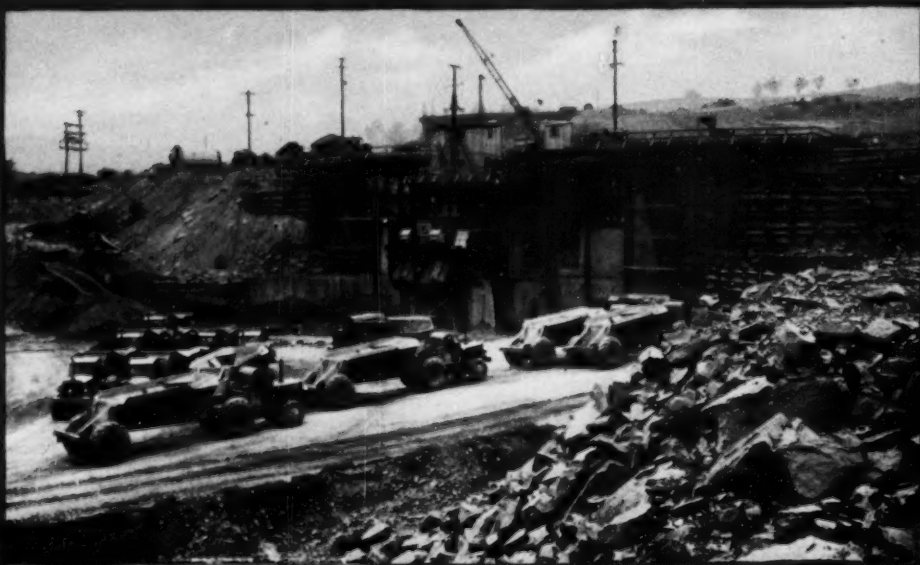
Southern construction in February totaled \$277,155,000, bringing the value of contracts awarded so far this year in the sixteen states below the Mason and Dixon line to \$530,431,000, or seventeen per cent above the figure for the comparable period of last year. The February total represents a gain of about nine per cent over January, of forty-five per cent above the second month of last year.

February's larger total, which was responsible for the higher aggregate for the two-month period, was substantially bolstered by rises in public building and highway and bridge construction. The former was up fifty-nine per cent; the latter, in excess of twenty-seven per cent. Heavy engineering construction rose five per cent. Both private building and industrial award values were down.

Constituting the \$277,155,000 February total were: Private building, \$94,374,000; highways, streets and bridges, \$61,067,000; public building, \$51,411,000; engineering type construction, \$36,002,000; industrial projects, \$34,301,000.

25 cents a copy

\$2.00 per year



Good Diesels keep good company

Today the list of contractors who operate equipment powered by General Motors Series 71 Diesels reads like a "Who's Who" of the industry.

Big operators like S. A. Healy Co., who have the \$25 million contract for New York City Board of Water Supply's half-mile dam across Neversink River Valley, have found what these powerful, efficient Diesels can do.

These modern 2-cycle Diesel engines pack more power in less space—they do their work easily and fast. With power at every downstroke, they deliver high

torque that gives them quick get-away and smooth, steady up-grade pull even with a punishing load.

At the same time, these engines are clean in design, easy and economical to service. There's no high-pressure fuel tubing. Injector, pump and fuel-metering mechanism for each cylinder are all in single, easily changed units.

Any machine with GM Diesel power is a better machine—sturdy, dependable, economical. So whatever equipment you buy, it will pay you to specify a GM Diesel engine.

DETROIT DIESEL ENGINE DIVISION

SINGLE ENGINES...Up to 200 H.P. DETROIT 28, MICHIGAN MULTIPLE UNITS...Up to 800 H.P.

GENERAL MOTORS

DIESEL BRAWN WITHOUT THE BULK



No other Truck Crane like this!

Here's a combination of advantages that puts the Northwest Truck Crane far ahead of the ordinary rig. The High-Speed Power Controlled Boom Hoist, independent of all other operations; Uniform Pressure Swing Clutches that take the jerks and grab out of swinging; the Northwest "Feather-Touch" Clutch Control that assures ease of operation without delicate complicated mechanism; Cast Steel Machinery Side Frames that maintain shaft alignment and reduce wear and tear; easy upkeep and plenty of power. These, plus the many other Northwest features proved in years of service assure smoother operation and higher output.

No other Crane Carrier like this!

The heavy duty carrier supplied with Northwest Truck Cranes is different! Designed by Northwest it brings you a box type frame braced and reinforced the full length as no other Truck Crane Carrier is braced. Improved design has resulted in the better distribution of loads over the frame. Outriggers extend the full width of the Carrier and have considerable more bearing support when extended. Better positioning of outriggers relieves the Carrier of a great amount of stress when crane is operating. The rear crane is quickly demountable and makes easier conversion from Crane and Dragline or Pull-shovel without repositioning the lower base. The Northwest Truck Crane is the great yet offered the Contractor. Don't buy a Truck Crane before you get full details.

NORTHWEST ENGINEERING CO.
135 South LaSalle Street
Chicago 3, Illinois

Local NORTHWEST sales agents

ALA.—BIRMINGHAM
Tractor & Equipment Co.
MONTGOMERY
Ray-Brooks Machinery Co., Inc.

FLA.—JACKSONVILLE, LAKELAND,
MIAMI, ORLANDO, TAMPA,
TALLAHASSEE
Fla.-Ga. Tractor Co.

GA.—ATLANTA
Tractor & Machinery Co., Inc.
SAVANNAH
Fla.-Ga. Tractor Co.

LA.—MONROE
Southern Equipment & Tractor Co.

NEW ORLEANS
Woodward-Wight & Co., Ltd.

SHREVEPORT
Construction Machinery Corp.

MD.—BALTIMORE
McClung-Logan Equipment Co., Inc.

MISS.—W. JACKSON
Watkins-Aldridge Equipment Co.

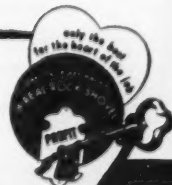
N. C.—ASHEVILLE, CHARLOTTE,
GUILFORD, RALEIGH, WILMINGTON
No. Carolina Equipment Co.

S. C.—WEST COLUMBIA
Bell-Lott Road Machinery Co.

TENN.—CHATTANOOGA
Nixon Machinery & Supply Co., Inc.
MEMPHIS
Chestaw, Inc.
NASHVILLE
McCarthy, Jones & Woodward

VA.—NORFOLK
Hampton Roads Tractor & Equipment Co.
RICHMOND
Highway Machinery & Supply Co.

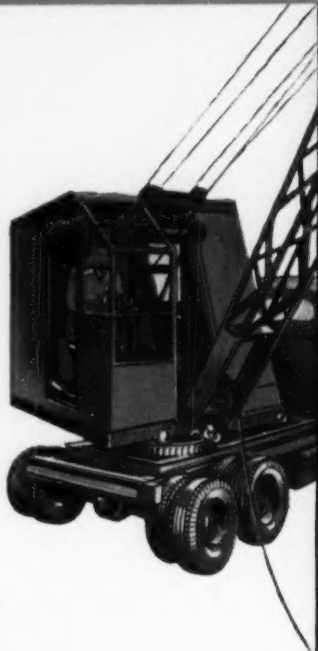
W. VA.—CHARLESTON
W. Va. Tractor & Equipment Co.



CHOOSE "QUICK-WAYS" REG. U.S. PAT. OFF. FOR SURE PROFITS

Every "QUICK-WAY" part will deliver its capacity rating and more, and you get more utility out of a "QUICK-WAY" fully equipped, than any comparable equipment. Each "QUICK-WAY" is easily converted in minutes from shovel to crane, dragline, clamshell, pile driver, scoop, trench-hoe or backfiller. Buy just the attachments you want to do more jobs better.

The essentials built into every "QUICK-WAY" mean sure profits on a small investment; economical to buy, economical to use, it's one of the most useful machines you can own. There's a "QUICK-WAY" owner near you; ask HIM. Your nearby "QUICK-WAY" distributor has a pleasant surprise for you when you ask him for prices.



Capacity in a truck shovel is fundamental... but it isn't enough. Check your requirements against all the advantages "QUICK-WAY" offers:

- 1 Convertible Units
- 2 Mobility and Speed
- 3 All-Steel Construction
- 4 Low Center of Gravity
- 5 Accurate Balance
- 6 No Extra Counter-balances
- 7 High Capacity-to-Weight Ratio
- 8 Interchangeable Parts
- 9 Simply and Ruggedly Built
- 10 Economical Operation
- 11 Low First Cost
- 12 Low Maintenance and Repair
- 13 Extra Profits

MODEL E: 4/10 cu. yd. cap., mounts on standard 5-ton truck.

MODEL L: 10 ton cap. crane, mounts on standard 7 1/2-ton truck.

MODEL K: 1/4 cu. yd. cap., mounts on standard 1 1/2-ton truck.

"QUICK-WAY" TRUCK SHOVEL DISTRIBUTORS:

FLORIDA-GEORGIA TRACTOR CO.
Jacksonville, Tallahassee, Orlando,
Lakeland, Tampa and Miami, Florida;
Savannah, Georgia

RISH EQUIPMENT CO.
Bluefield, Charleston, Cincinnati,
Clarksburg, Richmond, Roanoke

SOUTHERN EQUIPMENT SALES CO.
Columbia

POWER EQUIPMENT COMPANY
Knoxville, Chattanooga

HAMPTON RDS. TRACTOR & EQUIP.
CO.
Norfolk

NORTH CAROLINA EQUIPMENT CO.
Raleigh, Charlotte, Asheville, Wil-
mington, Guilford

RAY BROOKS MACHINERY CO.
Montgomery, Mobile

FREE STATE EQUIPMENT CO.
Baltimore, Md.

SHADE EQUIPMENT CO., INC.
Winchester, Va.

"QUICK-WAY" TRUCK SHOVEL CO., DENVER, COLO.

WORLD-WIDE DISTRIBUTOR SALES AND SERVICE



Contents

Southern Construction Higher in February—by S. A. Lauer	6
Room for Improvement	10
Southern Construction Projects: Alabama, 15; Arkansas, 15; Florida, 15; Georgia, 16; Kentucky, 17; Louisiana, 18; Maryland, 20; Mississippi, 22; Missouri, 24; North Carolina, 24; Oklahoma, 26; South Carolina, 44; Tennessee, 44; Texas, 44; Virginia, 50; West Virginia, 52.	
Billion in Low-Rent Housing Moves to Plan Stage	11
Southern States to Get 155 New Federal Buildings	12
Union Wage Scales Fairly Stable	13
Equipment and Material Makers' News	36, 37, 38, 40, 54
Dams and Waterway Work Features of Mobile Engineer Program	Alabama Edition 11
Wider Scope of Construction Handled by Rust Last Year	Alabama Edition 12
Cable Stranding Building Largest in Listerhill Project	Alabama Edition 14
Little Rock Engineer Office Program Costs \$18,153,000	Arkansas Edition 11
Southern Pacific Reconstructs Bridge Under Traffic	Arkansas Edition 12
Construction Proceeds on Pine Bluff Bridge	Arkansas Edition 14
Little Rock Uses New Asphalt Machine	Arkansas Edition 14
Jacksonville Building New Electric Capacity	Florida Edition 11
Colonel Pearson Heads Jacksonville Engineers	Florida Edition 13
\$1,000,000 Public Beach Proposed at Tampa	Florida Edition 14
Atlanta Paper Plant Described as Largest Under One Roof	Georgia Edition 11
Georgia Road Constructors Convene at Atlanta	Georgia Edition 14
Atlanta Building Proceeds at Fast Pace	Georgia Edition 14C
Kentucky Makes \$1,915,085 Road Awards	Kentucky Edition 11
Southern Railway Announces \$2,000,000 Yard Improvement	Louisiana Edition 11
Huge Program Pushed in New Orleans Engineer District	Louisiana Edition 12
Maryland Highway Contractors Hold Luncheon-Meeting	Maryland Edition 11
B. & O. Lets \$5,000,000 Ore Pier Contracts	Maryland Edition 14B
Baltimore Port Survey Discussed for Engineers	Maryland Edition 14B
Big Outlays Planned for University of Maryland	Maryland Edition 14C
Mississippi Construction Outlook Favorable	Mississippi Edition 11
Mississippi Colleges to Get \$18,861,083	Mississippi Edition 12
Unit Bids—Arkabutla Reservoir	Mississippi Edition 14
Missouri Highway Low Bids Total \$1,878,365	Missouri Edition 11
\$5,399,600 Missouri Pacific Work Authorized	Missouri Edition 14
Unit Prices—Missouri Portland Cement Concrete	Missouri Edition 14
1950 Seen North Carolina's Big Road Year	North Carolina Edition 11
Professional Engineers Hold First Annual Meeting	North Carolina Edition 11
Tar Heel Cities Report \$123,035,112 Construction	North Carolina Edition 12
February Bids on Oklahoma Highways Exceed \$2,000,000	Oklahoma Edition 11
R. F. C. Studies Oklahoma City-Tulsa Turnpike	Oklahoma Edition 11
Daniel Constructing Housing at Cost of \$2,500,000	South Carolina Edition 11
Agricultural Building Under Way at Clemson	South Carolina Edition 12
South Carolina Road Needs Put at \$323,000,000	South Carolina Edition 14
Major Construction Projects Listed in Nashville Area	Tennessee Edition 11
Proposed T.V.A. Dams to Cost \$40,500,000	Tennessee Edition 12
Volunteer Portland Cement Expands at Knoxville	Tennessee Edition 14B
Cheatham Lock Bids Opened by Nashville Engineers	Tennessee Edition 14C
Knox County Highway Needs Placed at \$10,000,000	Tennessee Edition 14D
\$18,000,000 San Angelo Dam Seven Miles Long	Texas Edition 11
\$40,000,000 Whitney Dam Fifty Per Cent Finished	Texas Edition 12
Unit Prices—Texas Highway Construction	Texas Edition 13
C. & O. Finishes \$8,000,000 Coal Pier at Newport News	Virginia Edition 12
Huge Celanese Boilers Built for Virginia's \$9,000,000 York Bridge	Virginia Edition 14B
Virginia Highway Forces Conquer Brisky Mountain	Virginia Edition 14D
West Virginia A. G. C. Elects 1950 Officers	West Virginia Edition 12
Unit Prices, West Virginia Highways	West Virginia Edition 14B, 14C
Morgantown Dam Project Details Described	West Virginia Edition 14B
West Virginia at New Peak in Road Construction	West Virginia Edition 14D
Advertisers Index	58

FLEXIBLE and ECONOMICAL

Steele
"PACKAGED"
ALL STEEL BUILDINGS



OFFICE-WAREHOUSE



MOTOR TERMINAL



MANUFACTURING PLANT

THE flexibility of the Steele System is such as to enable us to meet most requirements with a standard design. The elimination of custom design and fabrication cost is a substantial saving to the customer. Steele all-steel buildings are economical too because you save in erection time and costs as well. All material is furnished complete and from one source.

Quality material is used throughout—structural steel framework, heavy galvanized roof and side covering. Sturdy, durable all-steel construction assures fire safety and longer life with a minimum of maintenance. Insulation can be applied easily either initially or at a later date.

Write for more complete information or fill in and mail coupon below.

COMPLETE PITCH AND FLAT ROOF SYSTEMS ALSO AVAILABLE.

I am interested in:

.....All Steel Buildings
.....Pitch Roof Systems
.....Flat Roof Systems
.....WidthLengthHeight

NAME

ADDRESS

CITY STATE

CAREW STEEL PRODUCTS CORP.
YORK 1, PENNSYLVANIA

Construction

VOL. 17 NO. 3

MARCH 1950

SAMUEL A. LAUER
Managing Editor

WM. E. McCORD
Advertising Manager

L. H. HOUCK, Correspondent
12 Linden Drive,
Jefferson City, Mo.

PRICE—\$2.00 A YEAR
25 CENTS PER COPY

PUBLISHED MONTHLY BY
MANUFACTURERS RECORD PUBLISHING CO.

109 Market Place
BALTIMORE 3, MARYLAND

Publishers Of
DAILY CONSTRUCTION BULLETIN
MANUFACTURERS RECORD
BLUE BOOK OF SOUTHERN PROGRESS

ADVERTISING OFFICES

F. O. Schroeder
2nd Ave. and 17th St.,
Birmingham, Ala.

R. B. Kendrick,
1430 Clairmont Road,
Decatur, Ga.
Telephone: Crescent 4577



Above—\$10,900,000, 450-bed general medical hospital being built at Shreveport, La., under supervision of the New Orleans district of the Corps of Engineers commanded by Col. Charles G. Holle, J. W. Bateson, Dallas, Texas, is the general contractor; Architects for the project are Neill & Somdall, of Shreveport. The main building is brick with reinforced concrete frame and 10 stories high.

Southern Construction Value Higher in February

SOUTH'S CONSTRUCTION BY STATES

	February, 1950		Contracts Awarded First Two Months 1950	Contracts Awarded First Two Months 1949
	Contracts Awarded	Contracts to be Awarded		
Alabama	\$8,437,000	\$38,563,000	\$13,243,000	\$11,760,000
Arkansas	7,692,000	45,399,000	9,380,000	4,961,000
District of Columbia	3,416,000	48,793,000	10,364,000	26,289,000
Florida	19,176,000	61,956,000	35,644,000	44,444,000
Georgia	8,708,000	192,773,000	18,604,000	21,005,000
Kentucky	1,906,000	8,370,000	4,560,000	5,936,000
Louisiana	27,730,000	61,610,000	55,360,000	31,088,000
Maryland	31,982,000	168,237,000	32,275,000	26,382,000
Mississippi	14,215,000	85,814,000	17,642,000	12,105,000
Missouri	9,241,000	44,387,000	21,480,000	11,981,000
North Carolina	13,903,000	49,932,000	23,316,000	41,962,000
South Carolina	8,738,000	25,782,000	12,895,000	11,813,000
Oklahoma	9,522,000	406,993,000	36,014,000	24,248,000
Tennessee	12,777,000	30,261,000	32,477,000	23,462,000
Texas	63,113,000	219,746,000	173,886,000	139,618,000
Virginia	34,388,000	13,459,000	70,541,000	13,044,000
West Virginia	2,161,000	8,480,000	2,750,000	2,685,000
TOTAL	\$277,155,000	\$1,420,566,000	\$530,431,000	\$452,923,000

Below—George A. Fuller Co., contractor for the new \$4,000,000 Sunpapers publishing plant under construction at Baltimore, prepares to make a \$700,000 fifth floor addition for executive and editorial offices and newsrooms. Palmer, Fisher, Williams & Nes, of Baltimore, are the architects; Van Rensselaer P. Saxe, also Baltimore, the structural engineer for the concrete steel and brick building located on a five-acre site bounded by Calvert street, Center street, Guilford avenue and Bath street. Two new Hoe presses to be installed on the ground floor will have the capacity to print 150,000 64-page papers hourly. R. V. McKee is the contractor's superintendent.



REVERSING the downward trend registered in January, southern construction totaled \$277,155,000 in value during February to show a gain of more than nine per cent over the preceding month's level and of forty-three per cent above the total for February of last year.

The current accumulation of construction contracts awarded in the sixteen states below the Mason and Dixon line is \$530,431,000, or seventeen per cent greater than the \$452,923,000 recorded in the first two months of 1949.

February's larger total, which was responsible for the higher aggregate for the two-month period, was mainly bolstered by rises in public building and highway and bridge construction. The former was up fifty-nine per cent; the latter, in excess of twenty-seven per cent. Engineering construction rose five per cent. Private building was down seven per cent; industrial award value, six per cent.

Elements of the February total, in the order of their dollar value, were the \$94,374,000 for private building; the \$61,067,000 for highways, streets and bridges; the \$51,411,000 for public building; the \$36,002,000 for engineering construction and the \$34,301,000 for industrial construction.

Public building, where the largest increase occurred, embraces \$33,064,000 for schools and \$18,347,000 for government buildings, including hospitals. The government building figure is about seventy-eight per cent higher than the January total for such work. School contracts showed a fifty-one per cent gain.

Private building, with its \$94,374,000 total, reflected a slackened residential construction pace in the South. The \$70,372,000 for dwelling work was twelve per cent lower than in January. Assembly structure values amounting to \$9,996,000

represented a rise of sixty-seven per cent. Other types of private building dropped in February—commercial building, three per cent; office buildings, about two per cent.

Two of the categories in the engineering construction field rose slightly; one declined. Dams, drainage, earthwork and airport construction with its \$24,473,000 total was an increase of almost two per cent; water and sewer work, about twenty-three per cent. Government financed electric projects amounted to \$3,084,000, a drop of nine per cent.

The \$61,067,000 for highways and bridges was one of the bright spots in the southern construction picture. Only two months in the post-war period have seen larger totals. These were in May, of 1948, when the figure was \$62,570,000, and the \$62,073,000 for August, 1949, when Maryland awarded the major contracts for the \$42,000,000 bridge across the Chesapeake Bay. Virginia last month was the scene of another huge water-spanning project, this one to cost \$23,000,000 and involve a tunnel and bridge combination.

The \$530,431,000 total for the elapsed months of 1950 is the largest on record for that period, with perhaps the exception of the war days when large amounts of government construction were not included for security reasons. Two-month totals for the five years, however, are: 1945, \$205,061,000; 1946, \$230,999,000; 1947, \$250,675,000; 1948, \$394,660,000, and 1949 \$452,923,000.

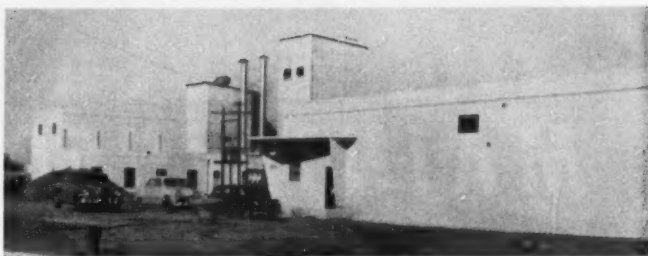
Private building was the most substantial constituent of the current \$530,431,000 two-month total, the figure for such work being \$196,597,000 embracing \$152,226,000 for residential building; \$16,497,000 for commercial structures such as stores and restaurants; \$15,967,000 for assembly buildings (churches, theatres and auditoriums), and \$11,907,000 for office buildings.

Public building, although strong in February, for the two months is down when compared with the similar period of last year, with a difference of twenty-nine per cent. Current public building totals \$83,591,000 and includes \$28,640,000 for government buildings and hospitals, and \$54,951,000 for schools.

Engineering construction in the two months is up about twenty-five per cent. The total is \$70,245,000 and its components, \$48,509,000 for dams, drainage, earthwork and airports, \$15,259,000 for sewer and water work and \$6,477,000 for government-financed electric projects. The figure for dams, drainage, earthwork and airports is up eighty-four per cent. Both other categories showed declines, that for sewer and water work being twenty-four per cent.

Highway and bridge construction for the two months amounted to \$108,952,000, a rise of almost fifty per cent. Virginia tops the list of states with \$47,556,000, not only because of the \$23,000,000 bridge-tunnel award, but of important lettings in the first month of this year. Texas awards, so far, amount to \$9,151,000, with other states above the five million dollar mark including Florida, Georgia, Louisiana, Maryland, North Carolina and Tennessee.

Competition as "fierce" as that of the



Above—New Tuscaloosa, Ala. plant of Logan-Long Roofing Co.

SOUTH'S CONSTRUCTION BY TYPES

	February, 1950 Contracts Awarded	February, 1950 Contracts to be Awarded	Contracts Awarded First Two Months 1950	Contracts Awarded First Two Months 1949
PRIVATE BUILDING				
Assembly (Churches, Theatres, Auditoriums, Fraternal)	\$9,096,000	\$17,000,000	\$15,967,000	\$18,558,000
Commercial (Stores, Restaurants, Filling Stations, Garages)	8,124,000	6,410,000	16,497,000	20,613,000
Residential (Apartments, Hotels, Dwellings)	70,372,000	80,800,000	132,226,000	80,766,000
Office	5,862,000	11,450,000	11,907,000	15,047,000
	\$94,374,000	\$115,780,000	\$196,597,000	\$134,984,000
INDUSTRIAL				
PUBLIC BUILDING	\$34,301,000	\$133,965,000	\$71,046,000	\$71,439,000
City, County, State, Federal and Hospitals	\$18,347,000	\$94,491,000	\$28,640,000	\$60,311,000
Schools	33,064,000	74,924,000	34,951,000	57,420,000
	\$51,411,000	\$169,415,000	\$83,591,000	\$117,731,000
ENGINEERING				
Dams, Drainage, Earthwork, Air- ports	\$24,473,000	\$604,704,000	\$48,509,000	\$26,299,000
Federal, County, Municipal Elec- tric	3,084,000	54,829,000	6,477,000	9,283,000
Sewers and Waterworks	8,445,000	126,445,000	15,259,000	20,261,000
	\$36,002,000	\$785,978,000	\$70,245,000	\$55,843,000
ROADS, STREETS AND BRIDGES				
	\$61,067,000	\$215,428,000	\$108,952,000	\$77,975,000
TOTAL	\$277,135,000	\$1,420,566,000	\$530,431,000	\$432,923,000

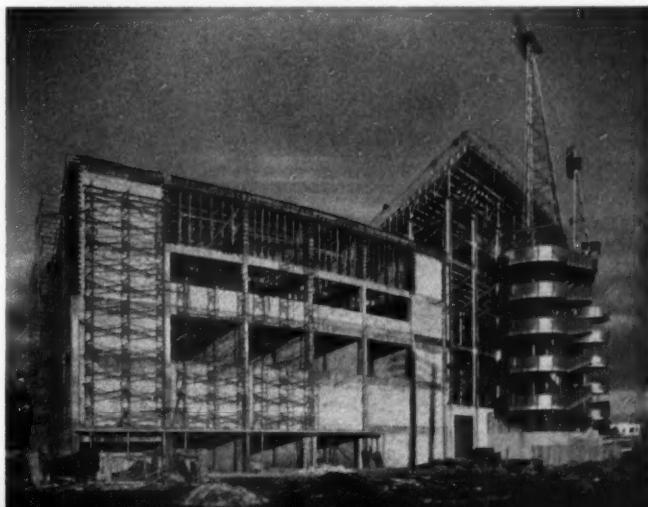
middle 1930's is prevailing in the construction industry, according to the results of a survey made recently by the Associated General Contractors of America, which revealed that construction costs have stabilized or are tending to stabilize

at approximately ten per cent below the peak of 1948, with little likelihood of a drastic change.

Building construction costs—for industrial, commercial and large scale resi-

(Continued on page 42)

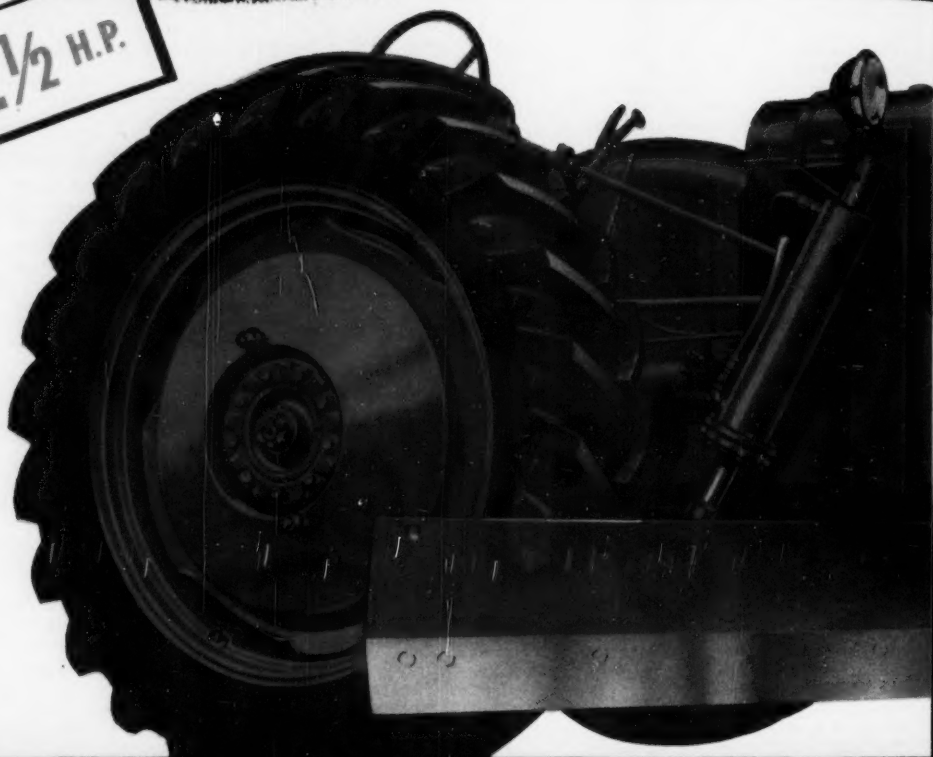
Below—Addition to the Orange Bowl, municipal stadium at Miami, Fla. Joseph G. Moretti, Inc., was the general contractor; Concrete Placing Co., the masonry contractor. "Trouble Saver" sectional steel scaffolding furnished by Patent Scaffolding Co., Inc., of Miami, was extensively used for the \$197,000 project.



THE HUBER MAINTAINER

A 6000 LB.
with Calcium Chloride
in Rear Tire

42½ H.P.



SERVES AS A Grader, Berm Leveler, Road
Planer, Bulldozer, Lift Loader, Snow Plow,
Highway Mower, Broom, Patch Roller

THE HUBER MFG. CO.
Marion, Ohio
Since 1863

LEARY & OWENS MACHINERY CO., INC.
Birmingham, Ala.
LEARY & OWENS MACHINERY CO., INC.
Montgomery, Ala.
TRI-STATE EQUIPMENT CO.
Memphis 2, Tenn.
TRI-STATE EQUIPMENT CO.
Little Rock, Ark.
MUNICIPAL SALES CO.
Richmond, Va.

FLORIDA EQUIPMENT CO. OF JACKSONVILLE
Jacksonville, Fla. (3)
FLORIDA EQUIPMENT CO. OF TAMPA
Tampa, Fla.
FLORIDA EQUIPMENT CO. OF MIAMI
Miami, Fla.
M. R. HAMILL, INC.
Charleston, W. Va. — Maintainers Only
THE CHESAPEAKE SUPPLY & EQUIP. CO.
Baltimore 18, Maryland

A BIG MACHINE

9 MACHINES in ONE
with HUBER attachments

RADER
olution

**BUSY EVERY MONTH
OF THE YEAR**



**Does More Work •
Handles Bigger Variety
of Jobs • Costs Less to Buy •
Less Costly to Operate •
Gets around Like a Truck**

W. VIRGINIA TRACTOR & EQUIP. CO.
Charleston 22, Clarksburg, W. Va.—Rollers Only
GULF ENGINE AND EQUIP. CO.
Mobile 6, Ala.
INTERSTATE EQUIPMENT CO.
Statesville, N. C.
WILSON MACHINERY & SUPPLY CO.
Lexington 15, Ky.
ROY C. WHAYNE SUPPLY CO.
Louisville 2, Paducah, Ky.—Rollers Only

VIRGIL HECK EQUIPMENT CO.
Louisville 4, Ky.—Maintainers Only
BREWER EQUIP. & SUPPLY CO.
Jackson 36, Miss.
LOUISIANA INDUSTRIAL EQUIP. CO.
Baton Rouge, La.
E. C. RAY MACHINERY CO.
Shreveport, Louisiana
ROSS MACHINE CO.
Cave City, Kentucky—Maintainers Only





Room for Improvement

The greatest obstacle to the smooth and rapid flow of motor vehicle traffic is the narrow two-lane highway. This same type of road is, incidentally, one of the main factors responsible for our high accident rate.

This much is known by anyone who has given a moment's serious thought to our highway problems; it doesn't take a construction or traffic engineer to figure it out. However, many people, including some in the above categories, make the mistake of going too far in their sweeping solutions.

The politicians, particularly those who seek to gain votes for spending other people's money, will all too often plump for complete replanning and rebuilding. Today's traffic is entirely different from that of twenty years ago, when our present roads were planned, and therefore, goes the argument, we should scrap what we have and start over.

Such a thesis usually ignores cost entirely. It also ignores a far cheaper solution which in the long run will be far better for the construction industry because it presents an opportunity for immediate improvement which can be achieved without excessive taxation.

That solution is making do as best we can with what we have. The aforementioned two-lane highway is still a good road when it is flat and straight, for example. The hills and curves are what cause the bottlenecks and hazards. The judicious adding of a third lane on a hill, so that slow-moving vehicles can pull to the right; the building of a new stretch of road parallel to a dangerously winding sector, so that one-way traffic can move in both directions; these are but two examples of improving what now exists.

Those in the construction industry who have a hand in highway planning would do well to temper grandiose ideas with practicality. When the core of the apple is sound, let's cut out the bad spots, rather than throw the whole fruit away.

Billion in Low-Rent Housing Moves to Plan Stage

LOW rent housing involving an expenditure of more than one billion dollars is moving into the planning stage, says Commissioner John Taylor Egan of the Public Housing Administration. The projects are located in 109 communities and federal funds are being advanced as needed.

Loans so far made are being used for surveys and planning 132,039 homes by local authorities acting under the public housing provision of the Housing Act of 1949. In addition, 118 other localities have obtained local approvals for planning loans and P. H. A. field offices are entering into contracts.

Planning loans have been approved by local governments of 227 communities, Mr. Egan revealed. These total \$35,801,000 and involve the planning of 221,391 low rent homes. Local authorities use the funds for expenses for preliminary surveys, site selection, appraisals and architectural and engineering plans, except final working drawings and definitive cost estimates.

As explained by Mr. Egan, the Public Housing Administration enters into a "definitive" contract with a local authority when the planning is far enough along that a satisfactory program is prepared for development of proposed projects and accurate cost estimates. This contract covers additional loans needed to build the housing and for the annual federal subsidies to be paid to keep the rents down for low-income families.

Local housing authorities which have executed the preliminary loan contracts include the following listed by local housing authority, proposed number of dwelling units and amount of preliminary loan.

Alabama
Montgomery—1,300—\$280,000
Selma—300—\$100,000

Arkansas
Blytheville—150—\$35,000
Little Rock—1,000—\$250,000

California
Bakersfield—350—\$115,000
Barstow—60—\$24,000
Colton—85—\$34,000
Los Angeles—10,000—\$1,150,000
Needles—50—\$20,000
Oakdale—20—\$8,000
Redlands—140—\$52,000
San Bernardino—300—\$100,000
Turlock—30—\$12,000

Colorado
Denver—2,500—\$400,000

Connecticut
Bridgeport—750—\$200,000

Florida
Daytona Beach—200—\$70,000
Lakeland—220—\$70,000
Miami—1,500—\$90,000
Tampa—1,500—\$300,000

Georgia
Albany—250—\$85,000
Augusta—750—\$200,000
Brunswick—200—\$70,000
Columbus—800—\$50,000
Gainesville—200—\$70,000
Marietta—125—\$47,500
Moultrie—125—\$47,500

Idaho
Pocatello—200—\$70,000

Illinois
Chicago—21,000—\$720,000
Danville—500—\$150,000
Peoria—850—\$220,000
Springfield—600—\$170,000
Urbana—125—\$47,500

Kentucky
Louisville—2,000—\$304,000
Owensboro—400—\$130,000
Paducah—600—\$170,000

Louisiana
Monroe—400—\$130,000
New Orleans—5,000—\$650,000

Maryland
Baltimore—5,000—\$650,000

Massachusetts
Worcester—600—\$170,000

Michigan
Ecorse—200—\$70,000
Flint—1,000—\$250,000
Hamtramck—190—\$67,000
River Rouge—100—\$40,000

Minnesota
St. Paul—2,000—\$350,000

Mississippi
Laurel—350—\$115,000
McComb—100—\$40,000

Nebraska
Omaha—700—\$190,000

Montana
Anaconda—50—\$20,000

Nevada
Las Vegas—100—\$40,000
Reno—150—\$55,000

New Jersey
Asbury Park—75—\$30,000
Atlantic City—400—\$130,000
Bayonne—500—\$150,000
Camden—800—\$50,000
Hoboken—700—\$190,000
Jersey City—2,000—\$350,000
Morristown—75—\$30,000
Newark—3,500—\$500,000
New Brunswick—200—\$70,000
Paterson—1,000—\$250,000
Phillipsburg—150—\$55,000
Trenton—800—\$125,000
Union City—400—\$130,000

New York
Buffalo—2,500—\$400,000
New York City—20,300—\$2,180,000

North Carolina
Asheville—500—\$150,000
Concord—150—\$55,000
Fayetteville—400—\$130,000
Kinston—250—\$85,000
Wilmington—400—\$130,000
Winston-Salem—1,200—\$270,000

Ohio
Cincinnati—2,850—\$200,000

Pennsylvania
Allentown—600—\$170,000
Johnstown—750—\$200,000
McKeesport—600—\$170,000
Pittsburgh—5,000—\$650,000
Pottstown—200—\$70,000

Rhode Island
Providence—1,520—\$302,000

South Carolina
Greenville—600—\$170,000
Spartanburg—400—\$92,000

Tennessee
Chattanooga—1,200—\$210,000
Jackson—425—\$21,000

Kingsport—225—\$77,500
Knoxville—1,450—\$250,000
Memphis—1,500—\$300,000

Texas
Austin—520—\$154,000
Bonham—90—\$36,000
Borger—150—\$55,000
Brownsville—250—\$85,000
Commerce—50—\$20,000
Corpus Christi—500—\$70,000
Corsicana—200—\$70,000
Dallas—2,800—\$430,000
El Paso—660—\$182,000
Fort Worth—500—\$150,000
Galveston—600—\$130,000
McAllen—150—\$55,000
McKinney—100—\$40,000
Mercedes—100—\$40,000
Port Arthur—600—\$170,000
San Antonio—2,600—\$400,000
San Benito—100—\$40,000
Temple—125—\$14,000
Waxahachie—104—\$40,900
Wichita Falls—500—\$100,000

Washington
Ellensburg—60—\$2,800
Longview—90—\$10,000
Vancouver—300—\$100,000

Wisconsin
Milwaukee—2,500—\$400,000

Whittington Urges Boost in State Road Funds

More and better highways, wider and straight in the interest of safety, national security and the national economy, were called "the most important problem confronting the United States" by Representative Will M. Whittington, chairman of the House Committee on Public Works, in an address at Cincinnati, Ohio.

Pointing to increasing population and multiplying traffic, Congressman Whittington (D. Miss.), author of a bill for \$630 1/2 million a year in Federal road aid, told the American Road Builders' Association at the opening session of its four-day, 47th annual meeting being attended by 1,500 in Netherland Plaza Hotel:

Authorization for Federal aid highways must be increased for the next two fiscal years, but the states must step up their road funds, too.

"The program must be expanded," he said. "While Federal aid contributes to the construction of approximately 15 per cent of all highways, roads and streets annually it sets the pace for construction."

"The policy of Federal aid for highways is self-liquidating. For the fiscal year 1949, the government collected \$1,326,054,091 in highway user taxes, of which \$503,648,471 was derived from the cent and a half Federal gasoline tax.

"State and local revenues available for road construction have not kept pace with the increased cost of construction in the past 10 years. Funds are being diverted. Highway police and administration as well as highway maintenance take a large percentage of state funds. It is important that the states make provisions for matching federal funds."

Southern States to Get 155 New Federal Buildings

THE South will get 155 of the 461 projects proposed under the federal government's \$377,000,000 building program, including a \$14,000,000 post office at New Orleans, a \$12,000,000 post office and courthouse at Houston, an \$8,000,000 office building at Baltimore, a \$6,000,000 post office and court house at Birmingham, a \$4,700,000 office at Huntington, W. Va., and a \$3,300,000 post office at Oklahoma City.

Twenty-three of the buildings will be located in Texas, with 16 to be located in Tennessee, 12 in Virginia, 11 each in Alabama, Missouri and North Carolina, 10 in both Kentucky and Louisiana, 9 in Oklahoma, 8 in both Georgia and South Carolina, 7 in Arkansas, 6 each in Mississippi and West Virginia, 5 in Florida and 4 in Maryland.

Congress has authorized expenditure of \$40,000,000 for site purchase and plan preparation, but made no appropriation for actual construction. Jess Larson, administrator of general services, and Jesse M. Donaldson, postmaster general, were required by law to select the projects from approximately 4,000 which previously had been determined eligible.

Those announced to date are listed below by state, city, type, and cost. Where no cost is given the projects are estimated to cost less than \$200,000. Cost limits on the latter will be estimated by W. E. Reynolds, commissioner of public buildings, the agency that will administer the program.

Alabama

Alabama City—Post Office, etc.—Site and building
Birmingham—Post Office, etc.—New site and building—\$6,600,000
Camden—Post Office, etc.—Building
Centerville—Post Office, etc.—Site and building
Elba—Post Office, etc.—Building
Florala—Post Office, etc.—Site and building
Geneva—Post Office, etc.—Site and building
Linden—Post Office, etc.—Site and building
Livingston—Post Office, etc.—Building
Moulton—Post Office, etc.—Site and building
Tallapoosa—Post Office, etc.—Site and building

Arkansas

Augusta—Post Office, etc.—Building
Ashdown—Post Office, etc.—Site and building
Bald Knob—Post Office, etc.—Site and building
Camden—Post Office, etc.—New site and building—\$280,000
Fayetteville—Post Office, etc.—New site and building—\$710,000
Harrisburg—Post Office, etc.—Site and building
Hot Springs National Park—Post Office and Courthouse—New site and building or additional land, demolition, and new building—\$1,100,000
Mountain Home—Post Office, etc.—Site and building

West Memphis—Post Office, etc.—Additional land and building—\$220,000

Florida

Gainesville—Post Office and Courthouse—New site and building—\$1,300,000
Lakeland—Post Office, etc.—New site and building—\$880,000
Monticello—Post Office, etc.—Site and building—
New Smyrna Beach—Post Office, etc.—Site and building
West Palm Beach—Customhouse and Immigration Station—Site and building—\$212,000

Georgia

Atlanta—Post Office Garage—Building—\$2,750,000
Bremen—Post Office, etc.—Site and building
Elberton—Post Office, etc.—Extension and remodeling
Hogansville—Post Office, etc.—Site and building
Jefferson—Post Office, etc.—Site and building
Metter—Post Office, etc.—Site and building
Sparta—Post Office, etc.—Site and building
Thomasville—Post Office and Courthouse—New site and building or additional land, demolition, and new building—\$860,000
Vienna—Post Office, etc.—Site and building
Warm Springs—Agriculture and Post Office—Building

Kentucky

Benton—Post Office, etc.—Site and building
Frankfort—Post Office and Courthouse—Additional land, demolition and new building—\$1,060,000
Hindman—Agriculture and Post Office—Site and building
Horse Cave—Post Office, etc.—Site and building
Lexington—Public Health Service Hospital—Additional facilities—\$900,000
Newport—Post Office, etc.—New site and building—\$655,000
Nicholasville—Post Office, etc.—Site and building
Russell—Post Office, etc.—Site and building
Shively—Post Office, etc.—Site and building
Tompkinsville—Post Office, etc.—Site and building

Louisiana

Amite—Post Office, etc.—Site and building—\$250,000
Carville—Marine Hospital—Additional facilities—\$3,200,000
Coushatta—Post Office, etc.—Building
Jonesboro—Post Office, etc.—Site and building
Lafayette—Post Office, etc.—New building—\$677,000
Lake Charles—Post Office and Courthouse—New site and building—\$1,490,000
Natchitoches—Post Office, etc.—New site and building or demolition and new building—\$365,000

New Iberia—Post Office, etc.—New site and building or additional land, demolition and new building—\$270,000

Maryland

Baltimore—Federal Office Building—Building—\$8,160,000
Franklin Station—Post Office—Building
Denton—Post Office, etc.—Building
Reisterstown—Post Office, etc.—Site and building

Mississippi

Greenville—Post Office, etc.—New site and building—\$473,000
Laurel—Post Office, etc.—New site and building—\$548,000
Quitman—Post Office, etc.—Building
Senatobia—Post Office, etc.—Site and building
Tupelo—Post Office, etc.—New site and building—\$767,000
Union—Post Office, etc.—Site and building

Missouri

Albany—Post Office, etc.—Site and building
Ava—Post Office, etc.—Site and building
Bolivar—Post Office, etc.—Site and building
Cape Girardeau—Post Office and Courthouse—New site and building—\$1,100,000
Flat River—Post Office, etc.—Site and building
Independence—Post Office, etc.—New site and building or additional land, demolition, and new building—\$540,000
Marshfield—Post Office, etc.—Building
Memphis—Post Office, etc.—Site and building
Moberly—Post Office, etc.—New building—\$405,000
St. Louis—Richmond Heights Branch—Post Office—Building—\$232,000
Troy—Post Office, etc.—Site and building

North Carolina

Fayetteville—Courthouse and Post Office—Site and building—\$2,145,000
Farmville—Post Office, etc.—Site and building
Goldshoro—Post Office, etc.—New site and building—\$605,000
Hickory—Post Office, etc.—Additional land, extension, and remodeling—\$435,000
Hillsboro—Post Office, etc.—Site and building
Lexington—Post Office, etc.—Extension and remodeling—\$305,000
Scotland Neck—Post Office, etc.—Building
Spindale—Post Office, etc.—Site and building
Spray—Post Office, etc.—Site and building
Sylva—Post Office, etc.—Site and building
Taylorsville—Post Office, etc.—Site and building

Oklahoma

Atoka—Post Office, etc.—Site and building
Lindsay—Post Office, etc.—Building
Mountain View—Post Office, etc.—Site and building
Newkirk—Post Office, etc.—Site and building
Oklahoma City—Post Office, etc.—New site and building—\$3,300,000

Union Wage Scales Fairly Stable

Wage scales of union workers in the construction industry were fairly stable during the last quarter of 1949, advancing two-tenths of one percent as compared to a one percent rise in the same period of 1948, according to a survey of seven major crafts in 85 cities released by Department of Labor's Bureau of Labor Statistics. Higher wage scales were negotiated for some of the crafts in 20 of the 85 cities and affected about five percent of 525,000 workers included in the study.

Union scales are the minimum wage rates agreed upon through collective bargaining between employers and trade unions. Overtime beyond established maximum daily and weekly hours is excluded. The scales do not reflect either rates for apprentices or premium rates; thus, they do not represent total hourly earnings of union labor.

Reflecting in part the fact that contract reopenings are concentrated in the Spring and Summer, increases occurred less frequently during the last quarter of 1949 than earlier in the year and usually were smaller in amount. Almost half of the wage adjustments reported were for less than 10 cents an hour. During 1949 as a whole, union scales rose 3 percent, as compared with a 10 percent increase in the preceding year.

The Bureau's estimate of the average hourly scale of all union workers in building construction was \$2.21 on January 3, 1950. Since June 1, 1939, union hourly scales have advanced about 72 percent.

Estimated increases in union rates from October 1, 1949 and rate levels on January 3, 1950 were: bricklayers, 3 per cent, or .7 cent an hour for bricklayers; less than .5 per cent, or .1 cent for carpenters; 4 per cent, or 1.0 cent for electricians; 2 per cent, or .5 cent for painters; 2 per cent, or .5 cent for plasterers; 4 per cent, or 1.1 cents for plumbers and 2 per cent, or .3 cent for building laborers.

Low, average and high rate levels on January 3, 1950, were: Bricklayers, \$2.13, \$2.76 and \$3.25; carpenters, \$1.63, \$2.28 and \$3.00; electricians, \$1.83, \$2.51 and \$3.00; painters, \$1.38, \$2.20 and \$2.50; plasterers, \$2.00, \$2.68 and \$3.25; plumbers, \$1.90, \$2.54 and \$3.00; building laborers, \$1.75, \$1.49 and \$2.13.

Union Wage Scales for Selected Building Trades in 85 Cities

City	Bricklayers	Carpenters	Electricians	Painters	Plasterers	Plumbers	Building Laborers
Albuquerque, N. Mex.	\$2.500	\$2.000	\$2.250	\$1.875	\$2.500	\$2.250	\$1.250
Atlanta, Ga.	2.500	1.850	2.250	1.850	2.250	2.500	.900
Baltimore, Md.	3.000	2.200	2.250	1.775	2.250	2.250	1.250
Birmingham, Ala.	2.500	1.900	2.250	1.800	2.250	2.250	1.000
Boston, Mass.	2.625	2.250	2.500	2.100	2.700	2.450	1.650
Buffalo, N. Y.	2.500	2.250	2.580*	1.125	2.400	2.400	1.650
Butte, Mont.	2.500	2.125	2.117	1.413	2.500	2.417	1.375
Charleston, S. C.	2.250	1.750	2.000	1.500	2.250	2.250	.750
Charleston, W. Va.	2.125	1.900	2.300	2.000	2.250	2.375	1.350
Charlotte, N. C.	2.250	1.650	1.850	1.650	2.250	2.125	.825
Chattanooga, Tenn.	2.500	1.900	2.250*	1.750	2.250	2.250	1.000
Chicago, Ill.	2.550	2.450	2.525	2.375	2.550	2.525*	1.800
Cincinnati, Ohio	2.250	2.250	2.450	2.100	2.425	2.400	1.335
Cleveland, Ohio	2.575	2.575	2.525	2.275	2.525	2.575	1.850
Columbus, Ohio	2.650	2.175	2.375	2.000	2.375	2.375	1.425
Dallas, Tex.	2.500	2.125	2.375	2.000	2.500	2.375	1.075
Dayton, Ohio	2.625	2.275	2.625	2.150	2.425	2.360	1.525
Denver, Colo.	3.000	2.100	2.410	2.050	2.500	2.400	1.400
Des Moines, Iowa	2.875	2.000	2.325	1.850	2.375	2.375	1.500
Detroit, Mich.	2.625	2.325	2.600	2.100	2.625	2.500	1.675
Duluth, Minn.	2.250	1.925	2.200	1.800	2.250	2.125	1.400
El Paso, Tex.	2.500*	2.000	2.250	1.750	2.500	2.250	.850
Erie, Pa.	2.500	2.125*	2.250	1.850	2.250	2.250	1.475
Grand Rapids, Mich.	2.500	2.000	2.250	1.700	2.250	2.300	1.350
Houston, Tex.	2.625	2.125	2.500*	2.000*	2.750	2.375	1.200*
Indianapolis, Ind.	2.250	1.900	2.375	1.125	2.500	2.250	.850
Jackson, Miss.	2.500	1.900	2.000	1.750	2.150	2.250	.900
Jacksonville, Fla.	2.300	1.750	2.375	1.625	2.250	2.500	.800
Kansas City, Mo.	2.600	2.150	2.425	2.050	2.750	2.500	1.575
Knoxville, Tenn.	2.500	1.900	2.250	1.750	2.250	2.250	.850
Little Rock, Ark.	3.000	1.750	2.000	1.625	2.500	2.125	.875
Los Angeles, Calif.	2.625	2.120	2.500	2.080	2.500	2.500	1.570
Louisville, Ky.	2.450*	2.150	2.425	1.860	2.500*	2.375	1.450
Madison, Wis.	2.375	2.000	2.280	1.850	2.375	2.250	1.350
Manchester, N. H.	2.500	1.800	1.900*	1.500	2.500	2.125	1.250
Memphis, Tenn.	2.500	1.900	2.375	1.875	2.813	2.400*	.900
Miami, Fla.	2.500	2.000	2.500	2.063	2.500	2.500	1.000
Minneapolis, Minn.	2.500*	2.100	2.300*	1.950	2.500	2.350*	1.650
Mobile, Ala.	2.400	2.120	2.350	2.050	2.500	2.320	.850
Nashville, Tenn.	2.550	1.960	2.250	1.800	2.040	2.250	1.050
Newark, N. J.	2.500	1.800	2.125	1.740	2.500	2.250	.825
New York, N. Y.	3.250	3.000	3.000	2.500	3.250	2.875	1.250
Philadelphia, Pa.	2.450*	2.100	2.250	2.000	2.450*	2.250	1.350
Pittsburgh, Pa.	2.500	1.875	2.300	1.750	2.175	2.250	1.025
Portland, Me.	3.200	2.750	3.000	2.450	3.200	3.000	1.700
Portland, Ore.	2.500	1.750	2.100	1.875	2.500	2.250	.900
Reading, Pa.	3.000*	2.225	2.500	2.000	3.000	2.500	1.550
Richmond, Va.	3.000	2.125	2.250	1.875	3.000	2.375	1.300
Rochester, N. Y.	2.400	2.075	2.350	1.850	2.400	2.500	1.300
St. Louis, Mo.	2.575	2.325	2.450	2.075	2.625	2.450	1.700
St. Paul, Minn.	3.000	2.400	2.875	2.150	3.000	2.750	1.375
Salt Lake City, Utah	3.000	2.100	2.250	2.000	2.500	2.450	1.450
San Antonio, Tex.	2.850	2.500	2.800*	2.325	2.750	2.625	1.500
San Diego, Calif.	2.250	1.650	1.825	1.375	2.000	2.000	1.200
San Francisco, Calif.	2.750	2.100	2.350	2.100	2.600	2.375	1.700
Santa Fe, N. Mex.	2.625	2.100	2.250	1.850	2.700	2.400	1.500
Schenectady, N. Y.	2.500	2.125	2.500	2.100	2.500	2.500	1.570
Scranton, Pa.	3.000	2.225	2.500	2.150	3.000*	2.500	1.550
Seattle, Wash.	3.000*	2.000	2.250	2.000*	2.500	2.250	1.250
South Bend, Ind.	2.500	2.800	1.650	1.650	2.000	2.350	.850
Spokane, Wash.	2.500	2.200	2.400	1.925	2.500	2.375	1.500
Springfield, Mass.	2.500	2.000	2.250	1.875	2.400	2.150	1.350
Syracuse, N. Y.	3.000	2.195	2.395	2.195	2.495	2.500	1.795
Tampa, Fla.	2.575	2.205	2.300	2.050	2.500	2.300	1.650
Tulsa, Okla.	2.750	2.200	2.330	2.100	2.500	2.500	1.600
Washington, D. C.	2.500	2.000	2.350	2.000	2.500	2.350	1.375
Wichita, Kans.	2.600	2.200	2.475	1.900	2.500	2.400	1.450
Worcester, Mass.	2.250	1.750	2.250*	1.600	2.250	2.125*	.850
York, Pa.	2.600	2.300	2.500	2.200	2.500	2.500	1.700
Youngstown, Ohio	3.000	2.250	2.400	2.150	3.000	2.500	1.300
	2.500	2.500	2.700	2.300	3.000	2.500	1.450
	2.750	1.875	2.250	1.750	2.500	2.375*	1.250
	2.500	2.025	2.200	1.650	2.500	2.125	1.400
	2.125	1.625	1.875	1.450	2.125	1.900	1.075
	2.625	2.250	2.375	2.125	2.500	2.375	1.550

*These scales represent the minimum wage rates agreed upon through collective bargaining between employers and trade unions. *Revised, rate previously reported as \$2.500. *Revised, rate previously reported as \$2.250. *Brooklyn and Queens \$2.813; Staten Island \$2.857. *Revised, rate previously reported as \$2.200. *Negotiations in progress. *Includes Rock Island and Moline, Ill., and Davenport, Iowa. *Davenport, Iowa \$2.250. *Represents an increase in rates between October 1, 1949 and January 3, 1950.

Sand Springs—Post Office, etc.—Site and building
Tishomingo—Post Office, etc.—Site and building
Wagoner—Post Office, etc.—Site and building
Walters—Post Office, etc.—Site and building

South Carolina

Allendale—Post Office, etc.—Site and building
Charleston—Post Office, etc.—Additional land and new building—\$1,700,000

Columbia—Post Office, etc.—Extension and remodeling—\$614,000
Fort Mill—Post Office, etc.—Building
Lake City—Post Office, etc.—Site and building
Lyman—Post Office, etc.—Building
Manning—Post Office, etc.—Building
Taylors—Post Office, etc.—Site and building

Tennessee

Carthage—Post Office, etc.—Building
Centerville—Post Office, etc.—Site and building

Cleveland—Post Office, etc.—Annex and remodeling
Copperhill—Post Office, etc.—Site and building
Etowah—Post Office, etc.—Site and building
Gallatin—Post Office, etc.—Extension and remodeling
Hartsville—Agriculture and Post Office—Building
Knoxville—N. Knoxville Station—Post

(Continued on page 11)

New Federal Buildings

(Continued from page 13)

Office—Site and building—\$540,000
 Lafayette—Post Office, etc.—Site and building
 Madison—Post Office, etc.—Site and building
 Memphis—Post Office Garage—New site and building—\$1,890,000
 Memphis—Post Office, Courthouse and Customhouse—Remodeling—\$770,000
 Sharon—Post Office, etc.—Building
 Smithville—Post Office, etc.—Site and building
 Somerville—Post Office, etc.—Site and building
 Tiptonville—Post Office, etc.—Site and building

Texas

Austin—Post Office and Federal Office Building—New site and building—\$6,200,000
 Brownsville—Border Station—Additional land and building—\$625,000
 Carthage—Post Office, etc.—Site and building
 Dainingerfield—Post Office, etc.—Site and building
 Denton—Post Office, etc.—New site and building—\$525,000
 Dublin—Post Office, etc.—Site and building

ing—
 Galveston—Quarantine Station—New building—\$356,000
 Garland—Post Office, etc.—Building
 Grand Prairie—Post Office, etc.—Site and building—\$200,000
 Houston—Post Office and Courthouse—New site and building—\$12,300,000
 Itasca—Post Office, etc.—Site and building
 Killeen—Post Office, etc.—Site and building
 Levelland—Post Office, etc.—Site and building—\$350,000
 Madisonville—Post Office, etc.—Site and building
 McCamey—Post Office, etc.—Building
 McKinney—Post Office, etc.—Building
 New Boston—Post Office, etc.—Building
 Orangle—Post Office, etc.—New site and building—\$610,000
 Refugio—Post Office, etc.—Building
 San Augustine—Post Office, etc.—Building
 San Saba—Post Office, etc.—Site and building
 Terrell—Post Office, etc.—Demolition and new building—\$200,000
 Waxahachie—Post Office, etc.—New site and building—\$380,000
 Halifax—Post Office, etc.—Site and building
Virginia
 Crewe—Post Office, etc.—Site and building

Falls Church—Post Office, etc.—New site and building or exchange of site building—\$330,900
 Grundy—Post Office, etc.—Building
 Hampton—Post Office, etc.—Additional land, extension, and remodeling—\$380,000
 Lawrenceville—Post Office, etc.—Building
 Louisa—Post Office, etc.—Site and building
 Norfolk—Post Office Garage—Building—\$1,790,000
 Richmond—North Side Station—Post Office—Site and building—\$340,000
 Staunton—Post Office, etc.—Additional land, extension and remodeling—\$465,000
 Vinton—Post Office, etc.—Site and building
 Waynesboro—Post Office, etc.—Demolition and new building—\$278,000

West Virginia

Bluefield—Post Office and Courthouse—New site and building—\$1,055,000
 Huntington—Federal Office Building—Building—\$4,700,000
 Martinsburg—Post Office and Courthouse—New building—\$930,000
 Mullens—Post Office, etc.—Site and building
 Mount Hope—Federal Building and Garage—Site and building—\$850,000
 Roncerverte—Post Office, etc.—Building

Below—Airview of the pulp and paper mill of St. Marys Kraft Corp. and the new conversion plant of Kraft Bag Corp. now in operation at St. Marys, Ga. In foreground is the new Kraft Bag factory, where heavy-duty, multi-wall shipping sacks are produced by the most modern and efficient methods for manufacturers of plaster, cement, gypsum, lime, sand, gravel, clay, talc and many types of crushed stone products; also, fertilizers and feed materials; sugar, rock salt, insecticides, plastics, glue, graphite, ground carbon, manganese ore, pigments and silica. The St. Marys mill converts slash pine into pulp, turns out Kraft paper for shipping sacks, wrapping and other paper products, employs over 500 persons. Kraft Bag Corp. and St. Marys Kraft Corp. are subsidiaries of Gilman Paper Co., which also operates a large paper mill at Gilman, Vt., where Kraft Bag Corp. likewise operates a conversion plant.



Southern Construction Projects

Columbia Gas System, 902 Market St., Wilmington, Del., \$27,000,000 expansion program. Senate Commerce Committee, Washington, D. C., approved a bill to authorize a second major airport for Washington area, \$14,000,000.

Fairbanks, Morse & Co., Chicago, Ill., plans plant for manufacture of household and industrial weighing equipment, \$6,000,000, Greater Kansas City, Kans.

International Harvester Co., Kansas City, Kans., will soon let contract for \$6,000,000 building project to house a parts depot, machine transfer center, and general sales offices on a 33-acre site, Fairfax Industrial District, Kansas City, Kans.

ALABAMA

AUBURN—Alabama Polytechnic Institute let contract to Jones and Hardy, Montevallo, \$380,777 for school.

BIRMINGHAM—Birmingham Country Club let contract to Brice Building Co., P. O. Box 1028, for club additions and alterations, \$110,000.

BIRMINGHAM—The Club received low bid from Daniel Construction Co., \$322,794, for club bldg.

BIRMINGHAM—Alabama Power Co. 1950 construction program, to include 12-story annex to utility's general office in Birmingham; new rural lines, \$1,250,000, and improvements and additions to transmission lines and substations, \$300,000; improvements to distribution supply facilities, \$6,250,000.

BIRMINGHAM—University of Alabama let contract to Daniel Construction Co., Inc., P. O. Box 1511, \$1,286,000 for medical college and school of dentistry.

DEMOPOLIS—Corps of Engineers, Mobile, announced work started on \$21,000,000 Demopolis lock and dam.

GLENCOE—Etowah County Board of Education, Gadsden, plans high school, \$150,000.

MOBILE—Housing Authority received Federal loan of \$150,000 for 700-unit low cost housing project.

MOBILE—Presbyterian Church received low bid from J. P. Ewin, Inc., P. O. Box 361, \$248,695, for church.

MOBILE—Corps of Engineers let contract to Automatic Sprinkler Corp., P. O. Box 360, Youngstown, Ohio, \$435,236 for automatic sprinkler system facilities, Brookley Air Force Base.

MONTGOMERY—St. Margaret's Hospital plans 12-story hospital, \$3,000,000.

MONTGOMERY—Housing Authority has been allotted \$938,210 for slum clearance and urban redevelopment program.

MONTGOMERY—State Highway Department received low bids for projects in following counties:

Cullman and Morgan—6,858 mi. grad., drain, and main, on Cullman-Leon Rd.; Hardaway Contracting Co., Columbus, Ga., \$329,837 and for bridges G. W. Norrell Contracting Co., Georgiana, \$49,439.

Calhoun and Cherokee—12,091 mi. base and double surf. on road from Piedmont toward Centre; J. W. Gwin, Jr., Birmingham, \$97,749.

Limestone—2,391 mi. grad., drain, and double surf. on Ardmore-Holland Cln Rd.; BURGREN Contracting Co., Athens, \$43,940.

Lamar—4,120 mi. grad., drain, and single surf. from Alabama 18 at Crossville; McKee Construction Co., Jackson, \$55,939.

Tuscaloosa—11,511 mi. grad., drain, double surf., and bridges on road from Windham Springs to Walker County line; Hardaway Contracting Co., \$426,847; bridges, Mac D. Saxon Montgomery, \$41,392.

Walker—9,117 mi. grad., drain, and double surf., Alabama 69; W. L. Cobb Construction Co., Decatur, Ga., \$37,788.

DeKalb—6,692 mi. base and double surf. on road from Henagar to Hammondville; J. W. Gwin, Jr., Birmingham, \$79,766.

Clay and Randolph—12,094 mi. base and double surf. on road from Mellow Valley to Wadley; J. B. Maynard, Alexander City, \$126,182.

Chambers—222 mi. bridge and approaches on U. S. 29; Alabama Construction Co., Alexander City, \$71,987.

Cullman—111 mi. bridges on Hanceville-Holly Pond Rd.; G. W. Norrell, \$92,870.

Calhoun—675 mi. bridge over Cane Creek; Worsham Brothers, Corinth, Miss., \$37,102; 698 mi. bridge over Ochattee Creek; Worsham Brothers, \$64,128.

Barbour—4,089 mi. bridges; H. C. Jordan, Ozark, \$64,089.

Lawrence—679 mi. bridges on Braggs-Fostoria-Minters Rd.; McWhorter Construction Co., Milledgeville, Ga., \$36,511.

OPELIKA—City Board of Education let

contract to Conner Brothers, Tuskegee, \$206,989, for Northside Junior High School.

OZARK—Daile County Hospital Association let contract to Chapman Construction Co., 709 South Gates St., Dothan, \$162,000 for County Hospital.

TROY—Troy State Teachers College let contract to Oceola Construction Co., Pensacola, \$277,910 for dining hall and two dormitories.

TUSCALOOSA—University of Alabama let contract to Batson-Cook Co., West Point, Ga., \$213,512 for stadium.

TUSKEGEE—St. Andrews Episcopal Mission Station received low bid from Conner Brothers, \$113,315, for mission station.

VERNON—Lamar County will receive bids during May for County Hospital, \$350,000.

ARKANSAS

Corps of Engineers, Little Rock, asking appropriations of \$26,420,000 for flood control and river and harbor projects under way.

General Services Administration, Washington, D. C., approved post offices, etc., at following locations: Mountain Home, site and building; Hot Springs National Park, new site and building of additional land, demolition, and remodeling for post office and courthouse, \$1,100,000.

Reynolds Metals Co. plans expenditure of \$1,000,000 for expansion of Hurricane Creek, Ark., aluminum plant and build ore unloading facilities at Gulf Port.

Corps of Engineers, Memphis, Tenn., let contract to Forum-Jones Co., Dyersburg, Tenn., for new construction, Upper Yazoo Levee and White Levee District, \$439,760.

BLITHEVILLE—Blitheville Warehouse Co. plans warehouse, \$90,000.

CAMDEN—City let contract to T. L. James & Co., Ruston, La., \$116,079 for Harrell Field Airport.

CONWAY—City contemplates acquiring Bruce Hall for use as 80-bed city hospital, including remodeling addition of new wing, \$280,000.

FAYETTEVILLE—Ozarks Rural Electric Cooperative Corp. received REA loan of \$265,000, for 147 miles of distribution lines.

FORT SMITH—Fort Smith School Board let contract to J. S. Davis & Sons, \$100,500 for Sunnyside Grade School.

HAZEN—Committee composed of F. J. Kocurek and others, proposed erection of 400,000-bushel rice drier, \$320,000.

HOT SPRINGS NATIONAL PARK—Corps of Engineers, Vicksburg, Miss., let contract to Engineering Construction Co. of Texas, Dallas, Tex., \$4,167,000, for Blakely Mt. Dam and intake structures in Garland County.

JONESBORO—Heinemann's, Inc. plans one-story warehouse, \$150,000.

LAKELAND—P. M. W. Corp., Miami, will construct Negro low cost housing project, \$2,000,000.

LITTLE ROCK—Board of Education let contract to J. E. Pyle, Commercial National Bank Bldg., \$122,149 for Stephens Negro School.

SEVEN LINES—City plans extension of sewer lines, \$60,000.

LITTLE ROCK—Trinity Episcopal Cathedral, 1604 Center St., plans parish bldg., \$200,000.

LITTLE ROCK—Little Rock School Board plans physical educational building for Little Rock Senior High School, \$304,000.

LITTLE ROCK—State Highway Department received low bids for projects in following counties:

Izard—Job 5337, 1 reinf. conc. bridge and remodel 3 reinf. conc. and struc. steel I-beam bridges; Forsgren Brothers, Fort Smith, Ark., \$59,814.

Fulaski—FAP Nos. S-86 (2) & S-931 (1): 1 timber steel I-beam and conc. deck bridge and 1 reinf. timber substructure and conc. deck bridge; Graves Brothers, Pine Bluff, \$37,426.

Jefferson—SH 15, FAP S-407 (4): 10.39 mi. grad., minor drain, struc., grav. base course & bitum. surf. course; Bucton Construction Co., Hazen, \$27,163.

Crawford—Job 4324, SH 59: 0.736 mi. grad., minor drain, struc., PCC base and pvt. and asph. conc. hot mix surf. course; Anchor Construction Co., Muskogee, Okla., \$79,744.

Polk and Montgomery—Job 4344, SH 88: 1.94 mi. grad., minor drain, struc., grav. surf. course, 5 reinf. conc. culverts; E. E. Barber, \$43,360.

Sharp—FAP S-145 (1), SH 58: 2.269 mi. grad., minor drain, struc., grav. base course and bitum. surf. course; Ben M. Hogan & Co., Little Rock, \$54,360.

Garland—FAP S-117 (4), SH 7: 9.9 mi. grad., minor drain, struc., grav. base course, bitum. surf. course and remodel existing bridge; Hot Springs-Jessieville Rd.; D. E. Hill, Little Rock, \$228,298.

Poinsett—FAP S-296 (4), SH 14: 11.413 mi. grad., minor drain, struc., grav. base course and bitum. surf. course; Mississippi Valley Contracting Co., Inc., Farquard, \$196,616.

Fulaski—FAP S-930 (1): 3.926 mi. grad., minor drain, struc., grav. or cr. stone base course and bitum. surf. course; D. F. Jones Construction Co., Little Rock, \$67,438.

Lawrence and Sharp—FAP F-344 (4): 8.42 mi. grad., minor drain, struc., grav. base course, bitum. surf. course and 2 reinf. conc. bridges; Campbell Construction Co., Inc., \$269,184.

MONTICELLO—City approved \$275,000 bond issue for sewerage improvements.

NORTH LITTLE ROCK—Central College plans five-year expansion program, \$250,000.

NORTH LITTLE ROCK—Veterans Administration, Washington, D. C., let contract to Chamberlin Company of America, Detroit, Mich., \$67,045 for detention screens, Veterans Hospital.

OSCEOLA—Osceola Public School Board let contract to Wilson Construction Co., Rector Bldg., Little Rock, \$144,999 for Osceola Grade School.

OZARK—Arkansas Valley Electric Cooperative Corp. plans steam generating plant near Ozark, \$9,565,000.

OZARK—Arkansas Valley Electric Cooperative Corp. received REA loan of \$980,000 for completion of previously approved construction, radio communication facilities, for system improvements including 102 miles of line, and 377 miles of distribution line.

PINE BLUFF—Charles Bonner and F. A. Stringer have construction underway for drive-in theatre on Hwy. 65, \$100,000.

PINE BLUFF—C. J. Smithwick, 1801 W. 25th St., will construct 56-unit housing project, \$357,000.

CLARK—Cleveland County received low bid from Peterson, Garbi & Joseph, Commercial National Bank Bldg., Little Rock, \$132,750, for one-story, 18-bed hospital.

RUSSELLVILLE—Arkansas Polytechnic College let contract to E. E. Armhurst, Little Rock, \$115,045 for dormitory.

SHREVEPORT—Arkansas-Louisiana Gas Co. plans offering \$27,500,000 in new first mortgage 3% bonds.

STAR CITY—C. & L. Rural Electric Cooperative Corp. received REA loan of \$325,000 for communication facilities, system improvements, completion of previously approved construction, and 300 miles distribution line.

TEXARKANA—A. L. Davis let contract to Atlas Construction Co., P. O. Box 1007, Texarkana, Tex., \$60,296, for Arkansas-Louisiana Gas Bldg., 6th & Walnut Sts.

DISTRICT OF COLUMBIA

WASHINGTON—District Commissioners received low bid from Cramer-Vollmerhausen Co., \$2,877,700 for Spingarn High School.

WASHINGTON—District Engineer Commissioner recommended expenditures of \$3,000,000 to tie Washington-Baltimore Parkway into city's street system.

WASHINGTON—City seeking \$23,000,000 for increasing water supply.

WASHINGTON—St. Thomas the Apostle Catholic Church plan church, 27th St. and Woodley Rd., N.W., \$300,000.

WASHINGTON—John McShain Co., Inc., 17th & Spring Garden, Philadelphia, Pa., have contract for Mellon Memorial Fountain in front of National Gallery of Art, \$325,000.

WASHINGTON—Sen. Allen J. Ellender, Chmn. of Senate Legislative Appropriations Sub-committee, recommended completion of east front of Capitol in place of building proposed \$20,000,000 new Senate Office Building.

WASHINGTON—Mary T. Norton, Repr., introduced a bill authorizing \$250,000 for remodeling Columbia Hospital, 25th & L. N. W., and \$1,000,000 building for a nurses home, outpatient clinic, and nursing school.

FLORIDA

MIAMI—Florida Power and Light Co., Miami, plans power plant, \$6,000,000.

General Services Administration, Washington, D. C., approved post offices at Gainesville, new site and building for post office and courthouse, \$1,300,000; Monticello, site and building; New Smyrna Beach, site and building.

NASSAU COUNTY SCHOOL BOARD let contract to Dennison Construction Co., Gainesville, \$654,357, for schools at Yulee, Fernandina, Callahan & Hilliard.

BARTOW—Polk County Commissioners voted \$365,000 road program.

BRONSON—Levy County Board of Public Instruction let contract to Malcolm Engineering (Continued on page 16)

Southern Construction Projects

FLORIDA

(Continued from page 15)

ing & Construction Co., Gainesville, for school building program, \$147,000.

CLEARWATER—J. C. Emerson will construct Negro housing project, \$700,000.

CUDA—Corps of Engineers, Jacksonville, received low bid of \$221,987 from Duval Engineering & Contracting Co., Jacksonville, for initial guided missile launching pad and access roads, Guided Missile Base.

DADE COUNTY—A. F. Three, Inc., let contract to Albert Construction Co., 3140 N. Miami Ave., Miami, for 84 residences NW 151st St. to Biscayne Canal & NW 24th Ave. to 27th Ave., \$309,868.

DADE COUNTY—Frank Crawford Martin, Coral Gables, let contract to Blue Ribbon Construction Co., 1951 E. 4th Ave., Hialeah, for 38 residences, Jackson & Harrison Sts., \$307,447.

DADE COUNTY—Tikvah Realty, Inc., let contract to City Construction Corp., 150 NW 73rd St., Miami, for 36 residences, \$294,621.

DADE COUNTY—Hotel Gould, Inc., let contract to George Winston Construction Co., 9364 Collins Ave., Fort Lauderdale, for hotel, 17141 Collins Ave., \$150,000.

DADE COUNTY—Lant Corp. let contract to Gaines Construction Co., 3211 NW 27th Ave., Miami, for 62 residences, \$383,266.

DE LUNIA SPRINGS—Chortawatchee Electric Cooperative received REA loan of \$220,000 for 159 distribution line.

FT. LAUDERDALE—C. C. Bostedor let contract to Wilbur L. Kroetz, 534 NE 6th Ave., for apartment, 553 Bayshore Dr., \$50,000.

FORT LAUDERDALE—Florence Barnes received low bid from Shiloh Construction Co., 12345 W. Dixie Hwy., North Miami, \$50,420, for residence N. Atlantic Blvd.

FORT LAUDERDALE—Church of Christ let contract to J. E. Johnson, 713 SW 18th St., for church, 1133 S. Andrews Ave., \$50,000.

FORT LAUDERDALE—George Hippie, 2801 Ocean Blvd., plans 9 residences, N. Ocean Blvd., \$84,000.

FORT LAUDERDALE—500 Birch Road, Inc., 805 E. Broward Blvd., plans 3 apartment bldgs., 500 Birch Rd., \$70,000.

FORT LAUDERDALE—Thomas Hageman, 1609 NE 5th St., will construct apartment, \$55,000.

GREEN COVE SPRINGS—Navy Department, Naval Base, let contract to Laris Painting Inc., Ambridge, Pa., \$260,278 for inactivation of floating drydock.

HALLANDALE—Zaret Construction Corp., 1901 W. Ave., Miami Beach, will construct 154 residences, \$90,000.

HIALEAH—Superior Home Builders, Inc., 964 E. 25th St., will construct 85 residences, \$367,215.

HOLLYWOOD—Starrett Building Co., P. O. Box 309, will construct 30 residences on Mayo St., \$279,000.

HOLLYWOOD—Food Fair Stores, Inc., 50 NW 14th St., Miami, let contract to Plaks Construction Co., 1530 N. Ocean Dr., for store, 2017 Tyler St., \$75,000.

HOMESTEAD—Corona Investment Corp. let contract to S&B Construction Co., Inc., 224 Palermo Ave., Coral Gables, for 31 residences NE 4th Ave., \$151,500.

LAKELAND—U. S. Post Office Department, Washington, D. C., contemplates post office building.

MIAMI—Miami Herald, 200 S. Miami Ave., received low bid from Paul Smith Construction Co., 3103 NW 20th St., \$114,990, for remodeling fire-damaged warehouse.

MIAMI—Evelyn Homes, Inc., 430 Lincoln Rd., Miami Beach, will construct 25 residences, SW 61st Ave., \$150,000.

MIAMI—City let contract to Duffey Construction Co., Inc., 1385 NW 24th St., \$252,890, for addition to Exposition Hall, Dinner Key.

MIAMI—S&B Construction Co., 224 Palermo Ave., Coral Gables, will construct 15 residences, \$60,000.

MIAMI—Reginald Payne, 1701 NW 11th Pl., will construct apartment on NW 11th St., \$60,000.

MIAMI—City plans sewer extension system and sewage disposal plant on Virginia Key with outfall dumping partially treated sewage in Atlantic, \$22,690,000.

MIAMI—Civil Aeronautics Authority approved grant of \$500,000 for preparing site for new terminal building, new apron, taxiways, an access road, parking area and landscaping, Miami International Airport.

MIAMI—Ralph William, Inc., 27 W. Flagler St., received low bid from Witters Construction Co., 1297 SE 10th Court, Hialeah, \$73,547, Item 1. and \$96,547 on Item 2, Warehouse.

547, Item 1. and \$96,547 on Item 2, Warehouse.

MIAMI—Dr. Edward R. Annis received low bid from Sparka Construction Co., 4569 Ponce de Leon, \$65,857, for residence at Banyan Lane.

MIAMI—Water & Sewer Board of City, received low bid from Asphalt Paving Co., 1000 NW 57th, \$80,890, for replacement of Pavement, curb, gutter, and sidewalk.

MIAMI—Board of Dade County Commissioners let contract to Fred Howland, Inc., 1451 NW 20th St., \$2,536,254, for addition to Jackson Memorial Hospital.

MIAMI BEACH—Jacob Lutz, & Dave Saxe let contract to Zenith Builders, Inc., 1702 SW 3rd Ave., Miami, for apartment, 6050 Bonita Dr., \$66,000.

MIAMI BEACH—Samuel Friedland, 50 NW 14th St., let contract to Plaks Construction Corp., 30 NW 14th St., Miami, for residence on Bay Rd., \$60,000.

MIAMI SPRINGS—Fairway Homes Corp., 1220 Biscayne Blvd., Miami, let contract to J. E. Contractor, 1400 NW 27th St., Miami, for 38 residences, \$334,400.

MIAMI SPRINGS—Napoli Construction Co., 1092 SW 27th Ave., will construct 4 apartment bldgs., 600-602 Coquina Ave. and 601-03 Kenmore Ave., \$169,924.

NORTH BAY VILLAGE—Castner Rolfe let contract to Ludwig Brothers, Inc., 1240 Normandy Dr., Miami Beach, \$113,859, for 2 apartment bldgs., Harbor Island.

NORTH MIAMI—August Tobler, 11806 Biscayne Blvd., Miami, will construct 19 residences, NE 139th St., \$178,467.

NORTH MIAMI—Harvey Construction Co., 14065 W. Dixie Hwy., will construct 29 residences, \$248,472.

NORTH MIAMI—Keystone Point, Inc., let contract to International & Great Southern Construction Co., 1033 NW 120th St., for 21 residences, \$246,303.

NORTH MIAMI—Borinquen Construction Co., Inc., Miami, will construct 20 residences, \$128,340.

ORLANDO—Park Lake Presbyterian Church plans parish house, \$120,000.

QUINCY—Gadsden County Commissioners let contract to Hogan & Herrmann, 134 Beach Dr., St. Petersburg, \$783,682 for Gadsden County Hospital.

ST. MARKS—City let contract to Ivy H. Smith Co., Jacksonville, \$1,232,514, for power plant.

ST. PETERSBURG—City plans Mound Park Hospital, \$2,500,000.

ST. PETERSBURG—City plans police headquarters and jail, \$400,000.

SOUTH MIAMI—William W. Segal, 1030 Jefferson Ave., Miami Beach, let contract to William S. Smith Construction Co., 2295 NW 14th St., Miami, for store, \$80,000.

TALLAHASSEE—State Road Department received low bids for projects in following counties:

Beach—Resurf. 6.4 mi. of Rd. 809; Williams & Stockton, Miami, \$274,048.

Broward—Widening and resurf. 2 sections of Rd. A1A and 2 sections on Rd. 810 in Deerfield; R. H. Wright & Son, Fort Lauderdale, \$135,701.

Columbia—Constr. and pavt. 12.2 mi. of Rd. 245; Duval Engineering and Contracting Co., Jacksonville, \$214,803.

Orange—2 Presidential underpasses on Rd. 50 in Orlando; Jarco Corp., Orlando, \$48,962.

Palm Beach—5 mi. of Rd. 80 and 2 conc. and steel bridges; R. H. Wright & Son, Fort Lauderdale, \$387,411.

Hamilton—Paving 7 mi. of Rd. 135 and 150-ft. conc. bridge; Duval Engineering & Contracting Co., Jacksonville, \$126,323.

Pasco—Paving 5 mi. of Rd. 52; W. H. Armstrong Co., Duneed, \$139,230.

Okaloosa—Constr. and pavt. 16.3 mi. of Rd. 10 and widening 30-ft. conc. span bridge; Smith Engineering & Contracting Co., Pensacola, \$221,455.

TALLAHASSEE—Jack Culpepper, received low bid of \$85,900 for Presbyterian Student House.

TALLAHASSEE—State Road Department announced \$75,000,000 highway and bridge construction program for 1950.

TAMPA—Seaboard Air Line Railroad, Norfolk, Va., announced it will construct \$750,000 switching yard for freight cars at Yeomans.

TAMPA—Housing Authority selected Franklin O. Adams, 404 Franklin St., M. Leo Fitts, Citizens Bldg., and Norman Six Hillsboro Hotel Lobby, as Architects for 1,500-unit low-cost housing project, \$4,000,000-\$8,000,000.

TAMPA—Clair-Mel Builders, Inc., broke ground for 28-house subdivision, \$212,000.

TAMPA—Mayor Hixon's Beach Advisory

Committee approved preliminary plans for \$1,000,000 public beach on Courtney Campbell Parkway.

WINTER PARK—Orange County Board of Public Instruction, Orlando, let contract to Gardenhire Brothers, P. O. Box 351, Bartow, \$128,600, for gymnasium.

GEORGIA

ALMA—Satilla Rural Electric Membership Corp., received REA loan of \$900,000 for 364 mi. of distribution line.

ATLANTA—City Board of Education let contract to Siano Construction Co., 890 W. Peachtree St., \$101,900, for additions to C. W. Hill School.

ATLANTA—City Board of Education let contract to Siano Construction Co., 890 W. Peachtree St., \$198,750 for alterations and additions to Crofting School.

ATLANTA—City Board of Education received low bid from Strother-Barge Co., \$61,000, for Smillie Elementary School.

ATLANTA—City Board of Education let contract to Henry & Ivy, Inc., 969 Plum St. NW, \$533,686, for William St. School.

ATLANTA—Lakewood Village, Inc., let contract to Algernon Blair Montgomery, Ala., for apartment project, \$2,043,000.

ATLANTA—Rumson Road Apartments received low bid from Central Construction Co., P. O. Box 30, Sta. E, \$66,353, for apartments.

ATLANTA—First National Bank received low bid from Barge-Thompson Co., 136 Ellis St., NE, \$95,800, for warehouse and storage bldg.

ATLANTA—Warehouse Realty Co. received low bid from Van Winkle & Co., Whitehead Bldg., \$146,891, for warehouse addition.

ATLANTA—Dixie Ohio Express Co., received low bid from Maynard Johnston & Co., 2106 Belvedere Dr., NW, \$95,815 for freight terminal.

ATLANTA—Georgia Power Co., 75 Marietta St., NW, plans offering \$15,000,000 in 30-year first mortgage bonds, proceeds to be used for construction program.

ATLANTA—Eline Realty Corp. will construct Wesley Heights and Hardee Courts apartment projects, \$1,500,000.

ATLANTA—City sold \$11,250,000 bond issue to Kidder, Peabody & Associates, for sanitary sewer improvement.

ATLANTA—East Lake Country Club let contract to J. A. Jones Construction Co., 133 Ellis St., NE, \$200,021, for new locker room and entrance.

ATLANTA—Atlanta Lodge No. 78, BPOE, let contract to Crosland Construction Co., Inc., 1623 Harden St., Columbia, S. C., for lodge, \$300,000.

ATLANTA—Fulton County Board of Education let contract to Archer Brothers, Inc., 281 North Ave., \$387,900 for Northside High School.

ATLANTA—State Highway Department received low bids for projects in following counties:

Cobb and Bartow—Fed. Aid Proj. No. FI-484(3), Cont. No. 1, 3.540 mi. grad. and pavt.; E. H. Hines Construction Co., Inc., Greenwood, S. C., \$699,296.

Webster—Fed. Aid Sec. Proj. No. S-0532(1) & S-1169(1), 4.187 mi. grad. base and surf. treat.; W. T. Ledbetter Co., Rome, \$48,846.

Appling—Fed. Aid Sec. Proj. No. S-0606(1), 3.364 mi. grad. base and surf. treat.; Ocmulgee Construction Co., McRae, \$47,738.

Dooley—Fed. Aid Sec. Proj. No. S-0678(1), 8.489 mi. grad. base and surf. treat.; Hugh Steale Construction Co., Centre, Ala., \$89,682.

Heard—Fed. Aid Sec. Proj. No. S-0736(1), 11.122 mi. grad. base and surf. treat.; Vandigriff Construction Co., Montgomery, Ala., \$178,254.

Towson—Fed. Aid Sec. Proj. No. S-0864(1), 7.099 mi. grad. base and surf. treat.; E. H. Hines Construction Co., Inc., Greenwood, S. C., \$100,364.

Stewart—State Aid Proj. No. SAP-952-D(5) Spur and SAP-952-D(6), 0.765 mi. grad. base and surf. treat.; T. D. Lamb, Jr., Vidalia, \$49,185.

Monroe—Fed. Aid Sec. Proj. No. S-0964(1), 6.62 mi. grad. base and surf. treat.; W. L. Robinson Construction Co., College, \$86,325.

Twigg—Fed. Aid Sec. Proj. No. S-1081(1), 5.590 mi. grad. base and surf. treat.; Holland Construction Co., Mt. Vernon, \$45,846.

Franklin and Hart—State Aid Proj. No. SAP-1156(1), 0.893 mi. widening present pavt. in Rouston; Neel Contracting Co., Atlanta, \$36,538.

Thomas—Fed. Aid Sec. Proj. No. S-1252(1), 2.989 mi. grad. base and surf. treat.; Leo T. Barber, Moultrie, \$48,000.

General Contractors Meet at San Francisco

Crawford — Fed. Aid Sec. Proj. No. S-1253(1), 5.474 mi. grad., base and surf. treat.; Ocmulgee Construction Co., McRae, \$54,295.

Turner — Fed. Aid Sec. Proj. No. S-1574(1), 9.436 mi. grad., base and surf. treat.; Ocmulgee Construction Co., \$88,951.

ATLANTA — State Highway Department received low bids for projects in following counties:

Appling — 5 mi. grad. and low-type paving; John Leen Construction Co., Lougas, \$46,127.

Jeffair — 7 mi. grad. paving and bridge culvert; Ocmulgee Construction Co., McRae, \$85,980.

Douglas — 7 mi. grad. and paving; W. L. Robinson Construction Co., College Park, \$118,310.

BUFORD — Corps of Engineers, Mobile, Ala., received low bid from H. N. Rodgers & Sons Co., Memphis, Tenn., \$276,014, for saddle Dyke N 3 and spillway, Buford Dam.

CAIRO — First Baptist Church let contract to Culpepper & Edwards, Pelham, \$68,500, for Sunday school annex.

CEDEARTOWN — First Baptist Church received low bid from W. B. Johns, P. O. Box 17, E. Atlanta Sta., Atlanta, \$318,946, for church and Sunday School bldg.

CLARKSTON — DeKalb County Board of Education, Decatur, received low bid from Preston-Chambers Construction Co., Decatur, \$78,826, for school.

COLUMBUS — Housing Authority has been allotted \$600,000 for slum clearance and urban redevelopment program.

COLUMBUS — Jordan Construction Co. has started 27-unit tourist court, \$75,000.

CORDELE — Crisp County Commissioners let contract to S. J. Barry Co., Albany, \$222,700 for Courthouse and Jail.

DALTON — City plans improvements and extensions of sanitary sewerage system, \$1,000,000.

DECATUR — Logan & Williams, 321 Palmer Bldg., Atlanta, Archts., received low bid from P&W Construction Co., Hurt Bldg., Atlanta, \$123,734, for shopping center.

DEKALB COUNTY — County Board of Education, Decatur, let contract to Central Construction Co., Box 30, Station E, Atlanta, \$168,083, for Ogilthorpe-Brookhaven School.

DEKALB — Board of Education received low bid from Preston-Chambers Construction Co., Decatur, \$79,617, for additions and alterations to Avondale Elementary School.

DUDLEY — Oconee Electric Membership Corp. let contract to Colte Somers, Vidalia, \$66,530, for headquarters bldg.

EAST POINT — City sold \$600,000 general obligations bond issue to Trust Company of Georgia, Atlanta.

FULTON COUNTY — Fulton County Board of Education, Atlanta, received low bid from D. C. Fowler Co., 103 Alexander St., NW, Atlanta, \$133,961, for Hill School.

FULTON COUNTY — R. E. Dorrough & Associates, Peachtree Rd., Atlanta, received low bid from Maynard Johnston & Co., 2106 Belvedere Dr., NW, Atlanta, \$127,477, for shopping center.

GRIFFIN — Spalding County Board of Education let contract to C. A. Kendricks, 128 Solomon St., \$197,420, for Spalding County Schools; Gerald Bilbro, 116½ N Hill St., Archt.

HARTWELL — Monroe Auto Equipment Co., Monroe, Mich., plans branch plant, several million dollars.

LAFAYETTE — City Board of Education received low bid from Smith and Wrinkle Construction Co., Dalton, \$118,700 for Naomi Elementary School.

LAGRANGE — City to receive \$38,000 Federal loan plans preparation for extension of sewage collection system, interceptors and two sewage treatment plants, \$1,498,000.

LEESVILLE — Department of Highways, Baton Rouge, let contract to Austin Bridge Co., Dallas, Tex., \$209,192, for surfacing 6 mi. of Burr's Ferry-Caney Hwy., Vernon Parish.

LOCKPORT — Town let contract to W. D. Owens Construction Co., Inc., 332 First National Bank Bldg., Montgomery, Ala., \$100,112, for water improvements.

MADISON — Board of Education let contract to A. B. Newton, Vidalia, \$107,350, for school.

MANCHESTER — City School Board plans \$200,000 grammar school.

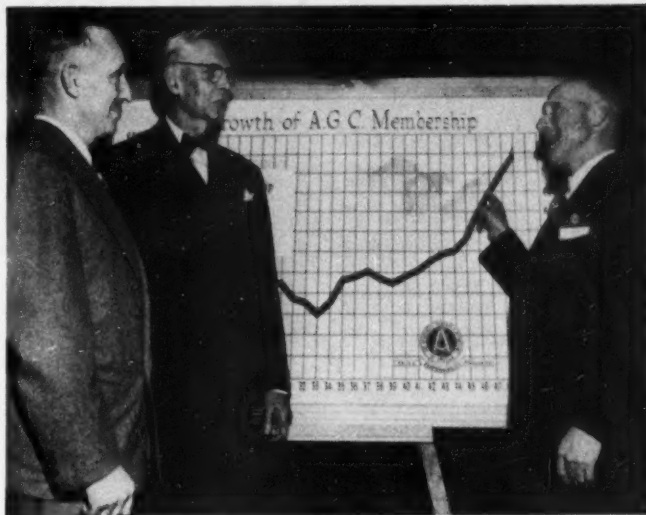
MANDEVILLE — Town sold \$72,000 bond issue to Well and Arnold of New Orleans for sewerage improvements.

MILKEN — Planters Electric Membership Corp. let contract to A. D. Newton, Vidalia, \$76,225, for REA headquarters bldg.

NATCHITOCHES — City sold \$400,000 bond issue to John Dane & Associates of New Orleans, for water and light plant.

NEW ORLEANS — Diboll-Kessels & Associates, 637 Pere Antoine Alley, Archts., plans apartment houses, 1000 Charles Ave.

NEW ORLEANS — City Council let contracts for street surfacing and subsurface drainage projects under following proposal Nos.:



Above—More than 1,200 representatives of leading construction firms of the United States attended the opening of the thirty-first annual convention of the Associated General Contractors of America. Among the speakers were authorities in public and private life. Shown is Adolf Teichert, A. G. C. president stressing the rise in the organization's membership to W. Walter Williams, president of Continental, Inc., and Dr. Edwin G. Nourse, Washington economist.

12,563—Boh Brothers Construction Co., \$34,221; 12,564—Boh Brothers Construction Co., \$32,484; 12,566—Boh Brothers Construction Co., \$70,954; 12,567—Kelly-Generes Construction Co., \$24,630; 12,568—Boh Brothers Construction Co., \$127,050; 12,569—Boh Brothers, \$27,725; 12,570—Boh Brothers, \$29,810; 12,571—Boh Brothers, \$13,471; 12,572—Lang Co., \$144,207; 12,574—Lang Co., \$35,878; 12,575—Mike Cullen, \$17,600; 12,577—Boh Brothers, \$41,449; 12,578—Mike Cullen, \$12,640; 12,579—Mike Cullen, \$15,904; 12,580—Boh Brothers, \$21,844; 12,581—Texas Bitulithic, \$35,776; 12,583—Texas Bitulithic, \$28,405; 12,584—Texas Bitulithic Co., \$95,095; 12,585—Texas Bitulithic Co., \$35,469; 12,586—Lang Co., \$62,039 and 12,587—Lang Co., \$16,771.

SAVANNAH — Civil Aeronautics Authority allocated \$70,000 for transfer of facilities from Hunter Field to Chatham Field, \$100,000.

SAVANNAH — Housing Authority has been allotted \$943,110 for slum clearance and urban redevelopment program.

SAVANNAH — St. Paul Greek Orthodox Church received low bid from Artley Co., \$169,883, for Greek community center.

SAVANNAH — First Christian Church let contract to the Artley Co., for church, \$100,000.

SEA ISLAND — Sea Island Co. let contract to Hayes Construction Co., Brunswick, \$172,492, for beach club.

THOMASTON — Upson County Electric Membership Corp. received REA loan of \$260,000 for system improvements.

TIFTON — Georgia Coastal Plain Experiment Station rejected bid of \$73,129 from Colte Somers Co., Vidalia, for animal disease laboratory.

VALDOSTA — Georgia Power Co., 75 Marietta St., NW, Atlanta, received low bid from Spooner Construction Co., Tifton, \$103,550, for office bldg.

KENTUCKY

FRANKFORT — Department of Highways, let contracts for projects in following counties:

Hart — Munfordville-Elizabethtown Rd., 2.9 mi. grade, drain. and traf. bnd. limestone; L. G. Arnold, Inc., Eau Claire, Wis., \$157,736.

Henderson — Henderson-Dixon Rd., 13.4 mi. surf.; Paul A. Tegarden, Inc., Columbus, Ind., \$91,303.

Boyle-Mercer — Perryville-Harrodsburg Rd., 0.4 mi.; Perryville-Harrodsburg Rd., 2.9

General Contractors Have 5,511 Memberships

General contractors who perform an estimated 80 per cent of all the construction done under contract in the United States held 5,511 memberships in the Associated General Contractors of America, as of January 1, 1950, the association announced as it convened for its thirty-first annual convention in San Francisco, Calif., February 27, through March 2. The convention was held in San Francisco's Palace Hotel.

The 5,511 members as of January 1, were enrolled in 108 chapters as of that date. This contrasted with 5,009 memberships in 102 chapters as of January 1, 1949, and with 3,161 memberships in 92 chapters as of January 1, 1945, five years ago.

The A.G.C. added six chapters and branches in 1949: The Louisiana Highway and Heavy Construction Branch, the Florida East Coast Chapter, the Michigan Road Builders Association, the Eastern Washington Builders Chapter, the Associated General Contractors of New Hampshire, and the East Texas Chapter. A.G.C. units which experienced outstanding gains in membership during the year were the Carolinas Branch, the Alaska, Central California and Portland Chapters, and The Associated General Contractors of Missouri.

An analysis of the association's membership figures showed that, during the last year, 63 chapters showed increases in membership, 19 maintained the status quo, and 26 showed losses—these usually one to two members.

Southern Construction Projects

KENTUCKY

(Continued from page 17)

mi.; Perryville-Lebanon Rd., 0.3 mi.; Danville-Harrodsburg Rd., 0.4 mi.; Danville-Springfield Rd., 0.04 mi.; Harrodsburg-Perryville Rd., 5.1 mi.; surf.; Breslin Construction Co., Louisville, \$46,941.

Floyd—Martin-Pikeville Rd., 13.9 mi. surf.; Adams Trucking & Construction Co., Paintsville, \$69,606.

Kewan—Morehead-Wagoner's Store-Sandy Hook Rd., 9.3 mi. surf.; Breslin Construction Co., \$48,121.

Fleming-Nicholas-Bath—Flemingsburg-Carlisle Rd., 2 stretches, 20 mi.; Flemingsburg-Mt. Sterling Rd., 2 stretches, 23.5 mi. surf.; Breslin Construction Co., \$195,941.

Union—Morganfield-Marion Rd., 2 stretches, 16 mi. surf.; H. K. Williams, Louisville, \$69,945.

Hardin-Grayson—Elizabethtown-Leitchfield Rd., 5 mi.; Leitchfield-Beaver Dam Rd., 4 stretches, 16 mi. surf.; Ralph Rodgers & Co., Inc., Nashville, \$223,594.

Graves—Mayfield-Bardwell Rd., 3 stretches, 11 mi. surf.; New York Coal Sales Co-Southern Quarries & Contracting Division, Columbus, Ohio, \$66,853.

Jefferson—Louisville-Cincinnati Rd. in Louisville, 3 mi. surf.; J. Sneed Yager, Frankfort, \$55,879.

Boone-Gallatin-Carroll-Trimble—Florence-Warshaw Rd. and stretches, 2 mi.; Lexington-Cincinnati Rd., 0.5 mi.; Carrollton-Bedford Rd., 4.4 mi.; Louisville-Cincinnati Rd., 6.2 mi. surf.; State Contracting Co., Hartford, \$188,431.

Pike—Shelby-Virginia State Line Rd., 14.1 mi. surf.; Kentucky Road Oiling Co., Frankfort, \$47,634.

Boone—North Bend Rd., 5.5 mi. and Hopeful Rd., 2.1 mi.; reconstr. and traf. bnd. surf.; Fuller-Davies Co., Covington, \$99,458.

Breathitt—Talbert-Wolfe Coal Rd., 5.7 mi. reconstr. and traf. bnd. surf.; Kentucky Road Oiling Co., Frankfort, \$85,596.

McCreary—Eagle Creek Rd., 4.1 mi. reconstr. and traf. bnd. surf.; George H. Cheek Construction Co., Frankfort, \$42,235.

FRANKFORT—Department of Highways, let contracts for projects in following counties:

Campbell—Newport-Mayville Rd., culvert and approaches at Four Mile Creek, 0.3 mi.; Foster & Creighton, Nashville, Tenn., \$135,970.

Grayson—Caneville-Falls of Rough Rd., bridge and approach over Cane Creek, 0.3 mi.; H. W. Caldwell & Son, Inc., Ashland City, Tenn., \$66,919.

Taylor—bridge and approaches at Robison Creek, 0.4 mi.; Nally, Ballard & Saltman, Inc., Bardstown, \$54,226.

Casey—bridge and approaches over Trace Fork Creek and bridge and approaches over South Fork Creek; Weimer Contracting Co., Winchester, \$69,825.

FRANKFORT—Department of Highways, received low bids for projects in following counties:

Marshall—Proj. 79-53, 19.010 mi. bitum. surf.; R. B. Tyler, Louisville, \$107,956.

Jefferson—Proj. SP-56-188, 5.361 mi. bitum. surf.; H. K. Williams & Breslin Construction Co., Louisville, \$91,368.

HOPKINSVILLE—Pennyriver Rural Electric Cooperative Corp. received REA loan of \$800,000 for 100 miles of distribution line.

LEXINGTON—Veterans Administration, Washington, D. C. received low bid from Hargett Construction Co., 113 Walton Ave., Lexington, \$451,480 for buildings and utilities, Veterans Hospital.

LOUISVILLE—J. D. Jennings Construction Co. has contract for addition to Halleck Hall.

McKEE—Jackson County Rural Electric Cooperative Corp. received REA loan of \$915,000, for 350 miles of distribution lines.

OWENSBORO—Green River Rural Electric Cooperative Corp. received REA loan of \$265,000 for 93 miles distribution lines.

SHELBYVILLE—Shelby Rural Electric Cooperative Corp. received REA loan of \$420,000 for 90 miles of distribution lines.

LOUISIANA

General Services Administration, Washington, D. C., approved post offices, at New Iberia, new site and building or additional land, demolition and new building, cost \$270,000; Springfield, site and building; Jonesboro, site and building; Natchitoches, new site and building or demolition and new building, cost \$385,000.

A special congressional committee, announced \$500,000,000 will be needed to correct and modernize state's highway system.

ALEXANDRIA—Corps of Engineers, New Orleans, let contract to James P. Cross, 730 St. Peter St., \$97,993, for 555,000 cu. yds. semi-compacted levee embankment and 4,550 lin. ft. gravel surfaced roadway on levees.

ALEXANDRIA—Louisiana Rural Electric Cooperative, let contract to W. S. Young Construction Co., Ruston, \$203,025, for 121 miles of REA line in Iberville, Avoyelles, Evangeline, St. Landry and Grant parishes.

ALEXANDRIA—City sold \$1,725,000 bond issue to Rapides Bank of Alexandria & Associates for drains and drainage canals; also \$300,000 for street improvements at \$126,000 for fire stations, etc.

BATON ROUGE—Ethyl Corp. received low bid from Pioneer Industrial Co., Houston, Tex., \$135,264 for pilot plant bldg.

BATON ROUGE—Ethyl Corp. received low bid from Standard, Inc., P. O. Box 687, \$92,445, for air conditioning administration bldg.

BATON ROUGE—East Baton Rouge Parish School Board let contract to Perillat-Rickey Construction Co., 1530 S. Rendon St., New Orleans, \$286,430 for auditorium-gymnasium and cafeteria and four classroom addition to Goodwood Elementary School and auditorium-gymnasium, cafeteria at Southdowns Elementary School.

BATON ROUGE—East Baton Rouge Parish School Board let contract to R. P. Farnsworth & Co., Inc., P. O. Box 2929, \$472,850 for auditorium-gymnasium, cafeteria and music building at Istrouma High School.

BATON ROUGE—First Baptist Church plans church, \$250,000.

BATON ROUGE—Crawford Corp. plan housing project, \$7,000,000.

BATON ROUGE—Louisiana Creamery, Inc., 2400 Plank Rd., let contract to J. M. King, 3538 Plank Rd., \$76,102, for two-story addition.

BATON ROUGE—Louisiana State Military Department plans armory, \$250,000.

BATON ROUGE—First Lutheran Church received low bid from Charles Carter, P. O. Box 127, \$87,500 for auditorium.

BATON ROUGE—Department of Highways, let contract for project in following parish:

Madison—11 mi. bitum. surf.; W. R. Aldrich & Co., \$349,166.

BATON ROUGE—Department of Highways, received low bids for projects in following parishes:

Red River—State Proj. 10-03-11, Fed. Aid Proj. F-158(7), 0.089 mi. 2 reinf. conc. box culverts, grad. and conc. pavt. approaches; M. E. Pollard, Box 127, Bossier City, \$83,460.

Vermilion—State Proj. SS-04-06, Fed. Aid Sec. Proj. S-002, 10.785 mi. grad. R.C.D.G. bridges, small drain, struc. and portland cement conc. pavt.; Auston Road Co., Box 1590, Dallas, \$621,548.

BATON ROUGE—Department of Highways, received low bids for projects in following counties:

Desoto—State Proj. No. 35-03-10, Fed. Aid Sec. Proj. S-002, 4.650 mi. grad. and drain, struc. R.C.D.G. bridges, grav. base and bitum. surf. treat.; Central Construction Co., Inc., Box 1011, Monroe, \$125,967.

LaSalle—State Proj. No. 127-02-07, Fed. Aid Sec. Proj. S-104(1), 1.977 mi. grad. drain, struc. R.C.D.G. bridges, grav. base and bitum. surf. treat.; Central Construction Co., Inc., Box 1011, Monroe, \$125,967.

BENTON—Corps of Engineers, New Orleans, let contract to Markham & Brown & L. Sanders, Cape Girardeau, Mo., \$364,310, for 8,450 lin. ft. standard board revetment on Red River, Bossier Parish.

BOGALUSA—Housing Authority received Federal loan for 200-unit low cost housing project.

BRUSLY—West Baton Rouge Parish School Board let contract to A. B. Broussard, 2937 Greenwood Drive, Baton Rouge, combined bid \$143,960 for Brusly High School and Lukeville Elementary School for colored.

CARVILLE—Public Buildings Service, Dallas, Texas, received low bid from M. T. Reed Construction Co., P. O. Box 1066, Jackson, Miss., \$348,333 for miscellaneous alterations, repairs and painting, U. S. Marine Hospital.

COTTONPORT—Avoyelles Parish School Board let contract to J. L. Bunkie, Jr., P. O. Box 487, Bunkie, \$138,670 for elementary school.

CROWLEY—Arcadia Parish Police Jury let contract to Farnsworth & Chambers Co., Inc., P. O. Box 74, Houston, \$572,790 for three-story and ground floor Court House.

ECHO—Corps of Engineers, New Orleans, received low bid from The Kansas City Bridge Co., Kansas City, Mo., \$83,724, for 2 mile dike structures along right descending bank of Red River.

FRANKLIN—Town Council let contract to Calumet Engineering Co., New Orleans, for Cooper-Bessemer gas power unit, \$67,812.

GRAMERCY—Colonial Sugar Co., let contract to Rust Engineering Co., Birmingham, Ala., for sugar storage bins, \$100,000.

GRETTA—Jefferson Parish School District No. 1 sold \$2,000,000 bond issue to Schaff & Jones, Inc. & Associates for school improvements.

GRETTA—Southern Cotton Oil Co., New Orleans, received low bid from Perillat-Rickey Construction Co., Inc., 1530 S. Rendon St., New Orleans, \$695,226, for four-story shortening plant.

HAMMOND—City, plans sewerage and water expansion, \$350,000.

HOUMA—State Board of Education, Baton Rouge, received low bid from Farnsworth and Chambers, P. O. Box 74, Houston, Texas, \$411,987 for South Louisiana Trade School in Terrebonne Parish.

KAPLAN—Kaplan Rice Mill will build with day labor, 78 storage bins, 3 drying units, etc., \$175,000.

KINDER—Allen Parish School Board let contract to Mills Engineering Construction Co., P. O. Box 156, Lake Charles, \$82,937 for elementary school and cafeteria.

LAFALETTE—Parish Board of Police Jury has sketches for erection of auditorium-memorial building, \$375,000.

LAKE CHARLES—Corps of Engineers, New Orleans, received low bid from McWilliams Dredging Co., 860 St. Charles St., \$194,582, for 78,000 cu. yds. material from approach channels to Calcasieu Lock and 33,000 cu. yds. material in earthen embankment across Gulf Intracoastal Waterway.

LAKE CHARLES—City Council sold \$1,050,000 municipal bond issue to Shields and Co. of New York City.

LAKE CHARLES—Lake Charles Recreation Commission let contract to Emmett Young, Inc., Box 765, \$142,997 for three swimming pools.

MANSURA—St. Paul's Catholic Church let contract to E. E. Rabalais & Son, Bunkie, \$103,000 for church.

METAIRIE—Paul G. Charbonnet, Jr., Architect, New Orleans, has plans complete for classrooms at St. Francis Xavier Parochial School on church grounds facing Betz Pl. between Avenue A and Avenue B, \$250,000.

MONROE—City Council let following contracts for improvements for municipal power plant: Westinghouse Electric Co., for turbine generators, \$500,000; condensers, \$102,810; network transformers, \$25,912; Weaks Supply Co., for boiler feed pumps, \$13,738; Bower, Inc., for turbine oil purification system; Thomas Bryan & Associates, Houston, Tex., for general construction, \$555,000; Republic Meters for controls and instruments, \$25,578.

MONROE—City, let contract to Thomas Bryan & Assoc., Inc., M & M Bldg., Houston, Tex., \$359,000 for removing existing foundations, building construction and related piping and electrical work, installing underpinnings, new foundations, equipment, etc.

MORIAN CITY—St. Mary Parish School Board, Franklin, let contract to James E. Caldwell, Audrey Hotel, Abbeville, \$197,095 for Julia B. Mallard Elementary School.

NATCHITOCHES—City sold \$150,000 bond issue for fire department stations, trucks and equipment, to Barrow, Leary & Co., Shreveport, La., and White, Hattier & Sanford, New Orleans.

NEW IBERIA—Louisiana Sugar Cane Festival & Fair Association plans fair building, \$200,000.

NEW ORLEANS—City, let contract to R. P. Farnsworth & Co., Inc., 1515 S. Salcedo St., \$613,177, for N. Galvez Street overpass.

NEW ORLEANS—Methodist Home Hospital, Board of Directors and Building Committee Chmn., to plan plans on market for bids about May 1, for new part one and part two-story Hospital, \$100,000.

NEW ORLEANS—Roslyn Homes, Inc., 523 Canal Bank Bldg., will construct 20 residences in Lakeview section, \$122,280.

NEW ORLEANS—Board of Trustees let contract to R. P. Farnsworth & Co., Inc., 1515 S. Salcedo St., for library, \$250,000 and \$100,000 apartment building for New Orleans Baptist Theological Seminary.

NEW ORLEANS—Wogan, Bernard & de la Vergne and August Perez, have been selected as architects for union station, \$400,000.

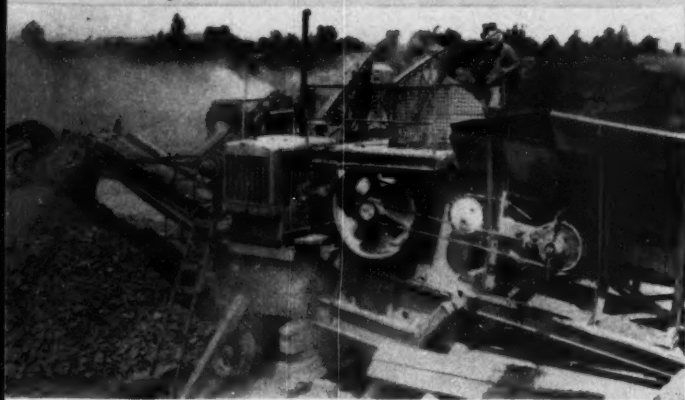
NEW ORLEANS—Roman Catholic Diocese received low bid from Pittman Contracting Co., 2525 Franklin Ave., \$359,889 for St. Augustine High School.

NEW ORLEANS—Board of Administrators of Charity Hospital plans self-contained psychiatric unit of main building of Charity Hospital, \$400,000.

NEW ORLEANS—Standard Coffee Co., let

(Continued on page 28)

They don't know the word "quit"



★ This "Caterpillar" Diesel D8800 Engine is one of four used to power a crushing plant for the Harms Brothers, General Contractors, Sacramento, Calif. Production averages 1,400 tons of $\frac{3}{4}$ rock in 8 hours. Another D8800, two D13000s and a D17000 complete the reliable, money-saving "Caterpillar" line-up here.

"This is all rock and I don't mean maybe," says Mr. M. O. McEachern about this new road construction on the Feather River Canyon Highway. Owned by the Piombo Const. Co., Belden, Calif., this "Caterpillar" Diesel D13000 Engine powers a Gardner-Denver 165 cu. ft. compressor which supplies air to jackhammers 8 hours per day, 6 days a week.



SPEAKING from long experience with "Cat" Diesels on road construction, Mr. M. O. McEachern of the Piombo Construction Co., Belden, Calif., has this to say: "'Caterpillar' is the best in the world. For the beating we are giving them on our job, you can't beat them. I have been working and using 'Caterpillar' since they first came out and I am going to keep on using them."

And powering a Cedar Rapids crusher at the crushing plant of the Harms Brothers, General Contractors, Sacramento, "Cat" Diesel Engines rate just as high. The engines are located in the center of the job—a spot that's very dusty and hard on equipment, yet the "Cat" Diesels take the conditions in stride.

On road construction crushing operations or any job where dependable, low-cost power is needed, you can't beat the performance of rugged, steady, honestly rated "Caterpillar" Diesel Engines. For money-saving on-the-job facts about them, call your "Caterpillar" dealer today. Or send in the coupon.

CATERPILLAR TRACTOR CO., Peoria, Illinois

CATERPILLAR

REG. U. S. PAT. OFF.

DIESEL

ENGINES • TRACTORS
MOTOR GRADERS
EARTHMOVING EQUIPMENT

LOOK UNDER THE HIDE

Subject to thrust and shock, crankshafts must be rugged. "Caterpillar" crankshafts are superior quality steel forgings, accurately machined and balanced. Main bearings are on each side of crankpin journals. Large-radius fillets reduce stress concentrations while end thrust is absorbed on polished thrust surfaces. "Hi-Electro" hardened for maximum service life and Superfinished to within five-millionths of an inch of true surface smoothness, these crankshafts are tops in design and craftsmanship. Look under the hide for quality.

CATERPILLAR TRACTOR CO.
Box CN-3, Peoria, Illinois

Send me, without obligation, booklet, "'Cat' Engines on the Construction Job."

Name _____

Address _____

Southern Construction Projects

Louisiana

(Continued from page 18)

contract to Lionel F. Favre, 937 Gravier St., \$462,275 for one-story warehouse.

NEW ORLEANS—Southern Railway System, Washington, D. C., announced it has started work on \$2,000,000 project involving extensive alterations and improvements to Press Street Yards.

NEW ORLEANS—Lone Star Cement Corp. let contract to W. Horace Williams Co., 500 Southern Bldg., \$163,900 for using concrete sheet piling for reinforced concrete sheet pile bulkhead, Industrial Canal, 2315 France St.

NEW ORLEANS—Harry Latter announced plans for \$500,000 shopping center bounded by Carrollton, Maple, Hampson and Dublin Sts. **PLAQUEMINE**—Corps of Engineers, New Orleans, let contract to Emanuel & Bean, \$189,332, for Tender's house, office, powerhouse, utilities and appurtenances.

PLAQUEMINE—Board of Councilmen, let contract to T. L. James Co., Ruston, \$513,966, for paving streets, 10 mi. hard-surfacing.

PORT ALLEN—Port Allen property owners, approved \$125,000 bond issue for street rebuilding program.

SHREVEPORT—Peyton and Bosworth, & Lester C. Haas, Architects, has plans and specifications for \$1,200,000 nurses' home at Confederate Memorial Medical Center.

SHREVEPORT—First Presbyterian Church, 900 Jordan St., received low bid from Southern Builders, Inc., P. O. Box 1815, \$386,300, for alterations and additions to church.

SHREVEPORT—Highland House of Beauty received low bid from H. R. Jenkins, 248 Leo Ave., \$77,471, for beauty parlor bldg., 4851 Line Ave.

SHREVEPORT—F. J. Zuzak has plans in progress for 76-unit Madison Park Apartments, \$500,000.

SHREVEPORT—Charles E. Tooke, Jr., State Sen., assured Youree Dr. extension project to include new Spring St. viaduct; four-lane extension and viaducts, \$1,800,000.

SHREVEPORT—Housing Authority, P. O. Box 1566, received low bid from Farnsworth & Chambers Co., Inc., P. O. Box 74, Houston, Tex., \$1,191,965, for low cost housing project LA 2-2 Wilkinson Terrace.

SPRINGHILL—Springhill Investment Co., Inc. will construct Parkview Apartments, \$150,000.

WELSH—First Methodist Church plans church, \$60,000.

WELSH—Town of Welsh, approved a \$110,000 bond issue for street paving.

ZACHARY—Mayor and Board of Aldermen

let contracts for waterworks as follows: Proposal No. (1), additions and alterations to natural gas system, L. O. Raborn, 2657 Evangeline St., Baton Rouge, \$56,949; Proposal No. (2), additions to waterworks system, Red River Construction Co., P. O. Box 3132, Queensboro Station, Shreveport, \$56,549; Proposal No. (3), elevated water tank, R. D. Cole Manufacturing Co., Newnan, Ga., \$19,800.

MARYLAND

Senate Passed Bill which would mean in Maryland \$10,000,000 in military construction work.

Corps of Engineers, Baltimore, received low bid from Arundel Corp., Baltimore, for Item 1, covering dredging and disposing Riverview Anchorage No. 2, \$516,000.

University of Maryland seeking appropriation of \$13,876,029.

Governor Preston W. Lane to ask General Assembly to approve full budget requested by the five mental hospitals of the State; filed requests of approximately \$9,400,000; this is in addition to the \$20,000,000 in construction funds made available to construct the new hospital buildings getting underway.

Prince Georges County Commissioners authorized ten new school projects, \$1,584,000. Includes elementary school at Landover Hills; Cheverly; Columbia Park; Langley Park area; Surratsville; Holly Grove-Croom; Bradbury Heights; addition of a multipurpose room at Camp Springs; at Lanham a similar addition.

BALTIMORE—Board of Estimates let contract to U. S. Pipe & Foundry Co., 1624 Lincoln Liberty Bldg., Philadelphia 7, Pa., \$92,369, for furnishing and delivering cast iron pipe and fittings.

BALTIMORE—Board of Estimates let contract to Nello L. Teer Co., P. O. Box 1131, Durham, \$95,453, for Stony Run Trunk Sewer, Friendship International Airport site.

BALTIMORE—Board of Estimates received low bid from Empire Construction Co., 31 S. Calvert St., \$304,392, for Light Street waterfront improvements, 1st stage.

BALTIMORE—Fenwick Corp., 11 E. Fayette St., will construct 36 residences, Register Ln., \$256,000.

BALTIMORE—Fenwick Corp. of Baltimore, 11 E. Fayette St., will construct 147 residences on Dudley Ave. and Register Ave., \$1,037,000.

BALTIMORE—Fenwick Corp. of Baltimore, 11 E. Fayette St., will construct 37 residences on Elmore Ave., \$266,000.

BALTIMORE—Welsh Homes, Inc., 11 E. Fayette St., will construct 47 residences on

Oakridge Rd. and Alameda Circle, \$376,000.

BALTIMORE—Western Maryland Railway let contract to Halsey, Stuart & Co., for \$2,460,000 equipment trust certificates.

BALTIMORE—Broadway Apartments Corp. let contract to John K. Ruff, Inc., 100 W. 22nd St., for apartment bldg., 116 W. University Pkwy., \$2,300,000.

BALTIMORE—Baltimore and Ohio Railroad let contract to Dravo Corporation, Pittsburgh, Pa., for manufacture and installation of 2 ore-handling machines and belt conveying system, for new \$5,000,000 ore pier at Curtis Bay; and the Empire Construction Co., 31 S. Calvert St., for construction.

BALTIMORE—Experiment of Public Improvements received low bid from John K. Ruff, Inc., 100 W. 22nd St., \$580,417, for gymnasium and classroom building and also low at \$374,522 for women's dormitory, Morgan State College; Young and Adams, Inc., 2 W. 22nd St., \$309,000, for men's dormitory; John K. Ruff, Inc., 100 W. 22nd St., received combination bid of \$1,256,735 for the three projects.

BALTIMORE—Special Water Committee submitted proposal to Mayor D'Alessandro to request approval of the General Assembly of proposed \$45,000,000 loan to expand the city's supply and distribution system.

BALTIMORE—Property Sales Co., 900 Court Square Bldg., will construct 77 residences, Belvedere, Fenwick Aves. and Nasco Pl., \$488,100.

BALTIMORE—Mulwood Construction Co., 3231 Montebello Terr., will construct 63 residences, Denison, Edgewood, W. Saratoga Sts., \$318,000.

BALTIMORE—Fairhaven Construction Co. will construct 35 residences, Glenwood Ave., \$210,000.

BALTIMORE—University of Maryland plans psychiatric institute, \$2,000,000.

BALTIMORE—Home Sales Co., 3024 Spaulding Ave., will construct 116 residences on Hayman, Whistler Aves., Morrel Park, \$580,000.

BALTIMORE—Senate approved authorize loan bill of \$45,000,000 for improvements to municipal water system and \$10,000,000 sewerage improvements.

BALTIMORE—Dunwood Construction Co., Inc., 4101 Falls Rd., will construct 51 residences, Denham Ave., Govana, \$400,000.

BALTIMORE—Fenwick Corp., 900 Court Square Bldg., has taken building permits for 252 dwellings, Hornel, Imla, Kane and Joplin Sts., \$1,025,930.

BALTIMORE—Beth Yehuda Anshe Kurland Congregation have selected David Harrison, 421 St. Paul St., as Architect for Hebrew school and synagogue, \$100,000.

BALTIMORE—Commonwealth Construction Co., Inc., 5314 Reisterstown Rd., will construct 67 residences Woodbourne Ave. and Swanses Rd., \$469,000.

BALTIMORE—George A. Fuller Co. has filed plans with building inspector for \$700,000 fifth-floor news, editorial and executive office addition to \$4,000,000 publishing plant being finished at 501 N. Calvert St.

BALTIMORE—Dietrich Brothers, Inc., received low bid from Baltimore Contractors, Inc., 711 S. Central Ave., \$137,600 for office building and garage, 2700 Loch Raven Road.

BALTIMORE—Bethlehem Steel Corp. plans expenditure of \$30,000,000 for expanding its Sparrows Point plant.

BALTIMORE—Eastern Building Co., 900 Court Square Bldg., will construct 263 residences, \$1,074,430.

BALTIMORE—Alan Construction Co., Inc., 1406 Court Square Bldg., will construct 22 residences, Wilkens Ave. and Pine Heights Ave., \$137,000.

BALTIMORE—State Roads Commission, let contract for project in following counties: Anne Arundel and Prince George's—Contract No. AA-389-6-315, P-631-5-515; triple 75-ft. span steel I-beam bridge on reinf. concrete over Patuxent River; A. A. Wikstrom, Inc., Skaneateles, N. Y., \$384,832.

BALTIMORE—State Roads Commission, received low bids for projects in following counties:

Baltimore—Contract No. B-601-415; furnishing, delivering and applying bitum. conc. surf. along Belair Rd., 7.804 mi.; Harry T. Campbell Sons Corp., Towson, \$229,000.

Baltimore—Contract No. B-602-415; furnishing, delivering and applying bitum. conc. surf. along Kenwood Ave., 1.91 mi. and Joppa Rd., 2.52 mi.; Interstate Demise Co., Delaware Trust Bldg., Wilmington, Del., \$93,290.

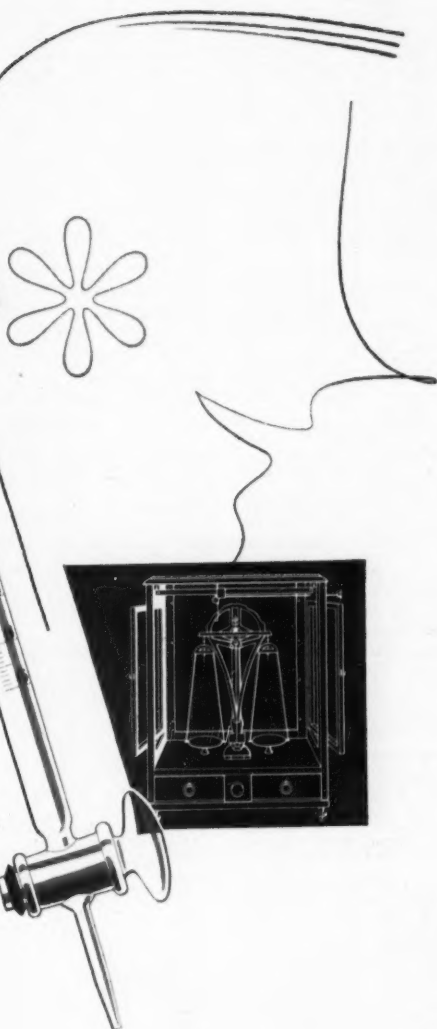
Cecil—Contract No. CE-328-215; furnishing, delivering and applying bitum. conc. along 2 sections of Pulaski Hwy., 5.095 mi.;

(Continued on page 22)



no secrets

*With balance and
burette our
laboratory technicians
get right to the
heart of things
in their
constant search
for ways to
make
Hermitage Cements
better and better.



Hermitage Portland Cement Company • AMERICAN TRUST BUILDING, NASHVILLE 3, TENN.



PORTLAND
HIGH EARLY STRENGTH
AIR ENTRAINING
MASONRY

Southern Construction Projects

MARYLAND

(Continued from page 20)

Bituminous Construction Co., 3901 Ridge-wood Ave., \$235,378.

Dorchester—Contract No. D-221-115, D-222-115 & D-223-115; furnishing, delivering and applying bitum. conc. and adjustments to storm water drainage, along Dorchester Ave., 0.564 mi., along Maryland Ave., 0.458 mi. and along Washington St., 0.402 mi. in Cambridge; T. B. Gatch & Sons, Inc., 5928 Belair Rd., Baltimore, \$62,702.

Harford—Contract No. H-329-415; furnishing, delivering and applying bitum. conc. along Old Philadelphia Rd., 5.39 mi.; T. B. Gatch & Sons, Inc., 5928 Belair Rd., \$190,979.

Wicomico—Contract No. WI-259-115 & WI-260-115; furnishing, delivering and applying bitum. conc. along Isabella St. in Salisbury for 1.023 mi. and along Rt. No. 349, 12.557 mi.; Eastern Highways Corp., Box 2736, Brooklyn, Md., \$304,535.

Somerset—Contract No. S-180-115 & S-181-115; furnishing, delivering and applying bitum. conc. along U. S. Rt. 413, 0.769 mi. and beginning of U. S. Rt. 13, 0.966 mi. and along Prince William St., in Princess Anne for 0.205 mi.; Eastern Highways Corp., Box 2736, Brooklyn, Md., \$50,318.

Worcester—Contract No. WO-265-5-150, Fed. Aid Proj. S-145(2); grad., drain. and surf. of section of Rt. 569, 1.562 mi. stab. base course, Pleasanton & Edgell, Inc., Mary St., Dover, Del., \$83,161.

BALTIMORE COUNTY—Ridgely Dev. Co., 514 St. Paul St., will construct 21 residences, White Oak Ave., \$147,000.

BALTIMORE COUNTY—LeRoy A. Sparr, 22 Siple Ave., will construct 24 residences on Lyndale Ave., \$144,000.

BALTIMORE COUNTY—Cardenas Co., 11 East Fayette St., let contract to Welsh Homes, Inc., 11 E. Fayette St., for 32 residences on Greenlow Rd., \$416,000.

BALTIMORE COUNTY—James R. Edmunds, Jr., 130 W. Hamilton, Baltimore, Archt., has plans in progress for new Catonsville Senior High School, \$2,000,000.

BALTIMORE COUNTY—County Commissioners, Towson, let contract to Philip D'Adamo Construction Corp., 5014 Relatertown Rd., \$146,462, for sanitary sewers, Dead Run Interceptor.

BALTIMORE COUNTY—Gordon F. Phebus, 6819 Loch Raven Blvd., will construct 13 residences, Harford Rd. and Joppa Rd., \$104,000.

BALTIMORE COUNTY—County Board of Education plans fourteen-classroom addition to new Stemmers Run Junior High School, \$350,000.

BALTIMORE COUNTY—Hampton Apartments, Inc., Loch Raven Construction Co., Towson, will construct 11 group apartments on Lambourne Rd., E. York Rd., \$248,346.

CATONSVILLE—Department of Public Improvements and Hospital Authorities, Baltimore, announced need for additional patient buildings, a nurses' home and alterations, Spring Grove State Hospital, \$2,000,000.

COLLEGE PARK—Department of Public Improvements, 506 Park Ave., Baltimore, received low bid from George H. Hyman Construction Co., 1010 Vermont Ave., Baltimore, \$1,464,000 for chemistry classroom, teaching and research laboratory building, Prince George's College, University of Maryland.

COLLEGE PARK—University of Maryland has plans for physics and mathematics building, \$1,200,000.

COLLEGE PARK—University of Maryland plans chapel, \$500,000.

CUMBERLAND—Board of Governors of Memorial Hospital received low bid from John L. Vandergriff Co., Cumberland, \$135,930, for new wing for contagious diseases, Memorial Hospital.

CUMBERLAND—Whitman, Reardon & Associates, 1301 St. Paul St., Baltimore, Engrs., have plans and specifications for six filter beds at Lake Gordon water plant, \$215,000.

DENTON—Choptank Electric Cooperative, Inc., received low bid from Rockingham Construction Co., \$225,000, for 153.1 miles of line.

FREDERICK—Frederick Memorial Hospital received low bid from William T. Lyons Co., Inc., Towson Bldg., Baltimore, \$627,321, for alterations and additions to hospital, nurses' home and boiler house.

HAGERSTOWN—J. J. Newberry Store let contract to S. S. Earley & Son, 509 Frederick St., \$180,000, for store.

HAGERSTOWN—Reformed Church of Hagerstown let contract to O. H. Hostetter, Hanover, Pa., \$369,000, for Homewood

Church Home.

HENRYTON—Department of Public Improvements, Baltimore, received low bid from Dickinson-Young Construction Co., 11 E. 21st St., Baltimore, \$163,900, for addition to kitchen wing-basement, Henryton State Hospital.

OWINGS MILLS—Department of Public Improvements and Hospital Authorities, Baltimore, announced need for two nursery buildings, a 50-bed tuberculosis building and water and sewage improvements, Rosewood State Training School, \$800,000.

PRINCESS ANNE—Maryland State College plans engineering, mechanical arts and agriculture building, \$270,000.

ROCKVILLE—Montgomery County Board of Education received low bid from Byrne Organization, Inc., 2607 Connecticut Ave., NW, Washington, D. C., for Galthersburg High School, \$630,000.

SILVER SPRING—Montgomery County Board of Education, Rockville, will receive bids some time in April for Eastern Junior High School, Franklin Ave. and Old Bladensburg Rd., \$460,000.

STEVENSVILLE—Queen Anne's County Commissioners, received low bid from Phillips and Thompson, Sudersville, \$227,431, for Steyvenville High School.

STUTLAND—Public Buildings Service, General Services Administration, Washington, D. C., received low bid from Tuckman-Barbee Construction Co., 1720 H St., NW, Washington, D. C., \$310,722, for alterations to cafeteria, Federal Office Building No. 3.

MISSISSIPPI

General Services Administration, Washington, D. C., approved post offices at Senatobia, site and building; Union, site and building; Laurel, new site and building, cost \$548,000.

Mississippi River Commission, Vicksburg, is seeking funds before appropriation committee, Washington, D. C., for following flood control projects: main Mississippi levees, \$7,000,000; Mississippi bank stabilization, \$25,000,000 and Memphis harbor, \$2,000,000.

BAY SPRINGS—Town approved issuance of \$250,000 bonds for natural gas system.

BILOXI—Gulf Real Estate Development Co. let contract to Marshall Stacy 203-5 Quint Bldg., for 30 residences, \$180,000.

BRANDON—Pearl School Board of Trustees, Rankin County, plans additions to present school buildings, \$175,000.

BROOKHAVEN—City plans water and sewerage system improvements, \$1,000,000.

BURNS—Burns School Trustees, Smith County, Raleigh, has plans in progress for school, \$100,000.

CLARKSDALE—Housing Authority let contract to Roscoe Perry, Louin, \$289,000, for housing project No. 10, Miss 7-2.

CLEVELAND—State Building Committee, Jackson, plans stadium-dormitory Delta State Teachers College, \$350,000.

COLUMBI—First Methodist Church received low bid from D. S. McClanahan & Son, \$92,679, for educational bldg. and renovating church.

COLUMBIA—City approved issuance of bond issue for nursery products distribution plant, \$100,000.

DURANT—Central Laundry Co. plans laundry and dry cleaning plant, \$100,000.

ELLSVILLE—State Board of Trustees of Mental Institutions, Jackson, plans three new buildings, State Children's School for the Feeble-Minded, \$600,000.

FOREST—Rural Consolidated School District plans schools, \$100,000.

GREENVILLE—City plans extension of sewerage lines to new residential areas and improvements, \$400,000.

GREENVILLE—Board of Supervisors of Washington County let contract to G. E. Bass & Co., P. O. Box 1033, Jackson, \$252,600, for renovation and enlargement of County Court House.

GREENWOOD—Greenwood City School District let contract to Walley Construction Co., Richton, \$126,440, for classroom addition to East Greenwood School.

GREENWOOD—Board of Supervisors of Leflore County received low bid from J. P. Ewin, Inc., Mobile, Ala., \$1,382,000 for hospital.

GREENWOOD—Greenwood Municipal Separate School District let contract to Currie and Corley Construction Co., Raleigh, \$141,928, for additions to East Greenwood School and six classrooms to McLaren St. School.

HATTIESBURG—Sacred Heart School let contract to Oden Construction Co., 208

Conner Bldg., \$193,750, for addition to present school.

HATTIESBURG—State Building Committee, Jackson, plans stadium-dormitory, Mississippi Southern College, \$350,000.

HOUSTON—City has preliminary plans for repairs to waterworks and sewage systems and street improvements, \$200,000.

ITTA BENA—State Building Commission, Jackson, let contract to L. B. Priestler & Son, Meridian, \$176,145, for shop building and classroom building at Mississippi Vocational Negro College.

JACKSON—Mississippi State Fair Association, plans improvements at State Fair grounds, \$500,000.

JACKSON—City Advisory Committee plans additional library facilities, \$500,000.

JACKSON—Mississippi State Highway Department plans asphalt plant, \$500,000.

JACKSON—Lewis L. Culley has plans in progress for bowling alley in subdivision, \$100,000.

JACKSON—Bureau of Public Roads selected Montezuma Bend for Arkansas-Mississippi River bridge, \$5,500,000; plans approaches on Hwy. 61, \$750,000.

JACKSON—City Director of Public Works, plans improvements and extensions of sewerage system, \$2,000,000.

JACKSON—Mazolla Hotel Co., Hotel Vicksburg, Vicksburg, received low bid from E. R. Preshaw Contractors Co., \$142,840, for 4-bldg. tourist court, \$175,000.

JACKSON—E. C. City Water Supt., plans two 12,000-gallon-per-day electric water pumps, \$200,000.

JACKSON—City let contract to King-North Construction Co., 615 Court St., \$294,879, for 2-story auditorium for negroes in College Park.

JACKSON—Seven-day Grocery Co., Woodville, plans warehouse and office bldg., \$175,000.

JACKSON—Dunn Construction Co., 1st Federal Savings & Loan Bldg., will construct 160-unit low-cost housing project for negroes, \$600,000.

JACKSON—City Commission sold \$2,073,000 bond issue to Halsey-Stewart Co., Northern Trust Co., Lehman Brothers, Mercantile Trust & Commerce Co., Otis & Co., A. Webster Daugherty & Co., Martin Burns & Corbett, Leftwich Ross & Co. and William R. Compton Co., for street improvement.

JACKSON—Mississippi Power & Light Co. awarded \$3,500,000 bond issue to Middle South Utilities, Inc., New York, N. Y., proceeds to be used for various improvements to power and distribution system.

JACKSON—City Methodist Church plans Methodist bldg. for state headquarters, \$300,000.

JACKSON—Civic Center Committee plans civic center on Smith Park property, \$3,000,000.

JACKSON—Jackson Young Men's Christian Association have plans completed for YMCA on N. State St., \$520,000.

JACKSON—Concrete Pipe Co., Inc., has started work on \$150,000 pipe manufacturing plant.

JACKSON—Davis Memorial Baptist Church received low bid from Campbell Construction Co., \$101,995, for church.

LAUREL—Coca-Cola Bottling Works plans 2-story bldg., \$350,000.

MADISON AND LEAKE COUNTIES—Bureau of Public Roads, Florence, Ala., let contract to Forum-James Construction Co., Dyersburg, Tenn., \$555,000, for Natchez Trace Parkway, 22.84 mi.

MERIDIAN—Mississippi Power Co. let contract to Hyde Construction Co., Jackson, for furnishing the foundation, slab and miscellaneous structural concrete work for Plant Sweet, \$1,500,000.

MOUND BAYOU—Knights and Daughters Toblan Society plans 25-bed addition to existing hospital, \$300,000.

NATCHEZ—Adams County Homes for Veterans Corp. let contract to Crawford Corp. for 300-unit veterans housing project, \$2,000,000.

NATCHEZ—Southern Bell Telephone and Telegraph Co. plans three-story building, \$1,250,000.

OCEAN SPRINGS—Board of Supervisors of Jackson County, Pascagoula, let contract to Walley Construction Co., Richton, \$87,500, for one-story factory building to be leased to E. R. Moore Co.

OCEAN SPRINGS—Mississippi State College plans research laboratory and housing, \$150,000.

OXFORD—North East Mississippi Electric Power Association received REA loan of \$510,000 for 189.5 miles of distribution lines.

(Continued on page 24)

JUDGE IT BY THE JOBS IT HANDLES

Tiger Brand Wire Rope

● There's one sure way of judging a good wire rope . . . do users continue to specify it year after year for their biggest, toughest jobs? For TIGER BRAND, the answer shows up in sales records. *More TIGER BRAND Wire Rope is purchased annually than any other make.*

Outstanding applications, like those shown here, prove the outstanding performance of TIGER BRAND Wire Rope . . . and where customers keep accurate records of service life, TIGER BRAND shows its highest percentage of repeat orders. For complete information send for our catalog, "U-S-S American TIGER BRAND Wire Rope."

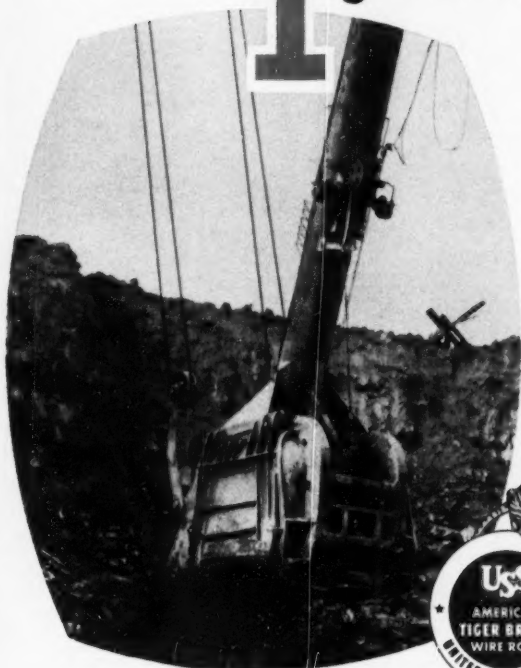
AMERICAN STEEL & WIRE COMPANY, GENERAL OFFICES, CLEVELAND, OHIO

COLUMBIA STEEL COMPANY, SAN FRANCISCO

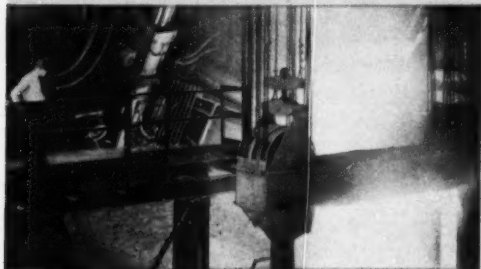
TENNESSEE COAL, IRON & RAILROAD COMPANY, BIRMINGHAM

SOUTHERN DISTRIBUTORS

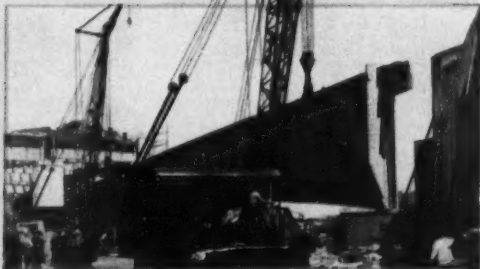
UNITED STATES STEEL EXPORT COMPANY, NEW YORK



Swinging the big dipper. Tiger Brand Wire Rope is used on the biggest power shovels some of which scoop up 40 cubic yards at one bite.



Pouring molten steel. Tiger Brand is designed to take the intense heat, corrosive fumes and abrasive dirt and still give long service.



Lifting the loads of industry. Wherever big jobs are being done, Tiger Brand is there with the strength and stamina to lift the heaviest loads.



AMERICAN TIGER BRAND WIRE ROPE

Excellay Preformed

UNITED STATES STEEL

Southern Construction Projects

MISSISSIPPI

(Continued from page 22)

FARCHMAN—State Building Commission, Jackson, plans buildings, Mississippi State Penitentiary, \$150,000.

PASCAGOULA—Board of Supervisors of Jackson County plans modernization of County Airport, \$60,000.

PORT GIBSON—Board of Trustees, Chamberlain-Hunt Military Academy, plans gymnasium, dormitories and improvements to existing buildings, estimated \$400,000.

PRENTISS—City plans waterworks and light improvements, \$70,000.

SARDIS—Mississippi State Park Association, Jackson, plans State Park, \$250,000.

TATE and DESOTO COUNTIES—Corps of Engineers, Vicksburg, received low bid from Pioneer Contracting Co., Inc., Memphis, Tenn., \$393,420 for Hickahala and Commerce Roads in Arkabutla reservoir area.

TUPelo—Tombigbee Electric Power Association received REA loan of \$715,000 for 266 miles of distribution lines.

TUPelo—City to receive \$15,260 Federal loan plans preparation for sanitary sewerage system improvements, \$760,000.

UNIVERSITY—State Building Commission, Jackson, let contract to Building Service Co., West Point, \$231,776, for girls' dormitory at University City, Mississippi.

VICKSBURG—Magnolia Hotel Co., received low bid from Preshaw Construction Co., 154 E. Porter St., Jackson, \$146,000, for Vicksburg Hotel four-story court.

WAYNESBORO—Wayne County Fair Association plans livestock buildings on new fair grounds, \$100,000.

YAZOO CITY—Mississippi Chemical Corp. has RFC loan of \$3,349,000 to help finance fertilizer plant on a 488-acre site, U. S. Hwy. 49-E, \$7,000,000.

MISSOURI

General Services Administration, Washington, D. C., approved post offices, at Memphis, site and building; Bolivar, site and building; Troy, site and building; Flat River, site and building; Albany, site and building; Ava, site and building; cost not stated, under \$200,000.

BOLIVAR—Southwest Electric Cooperative, received REA loan of \$525,000 for system improvements, and 219 miles of line.

CHILLICOTHE—City plans water plant and light improvements; \$365,000 bond issue voted.

DEXTER—Consolidated School District No. 7, Stoddard County, received low bid from E. M. Stites, Malden, \$108,100, for elementary school at Elm & Market Sts.

FULTON—Fulton Public Schools, plans elementary and high school; \$155,000 bond issue voted.

IRONTON—Black River Electric Cooperative received REA loan of \$1,120,000, for system improvements, completion of previously approved construction, and 536 miles distribution line.

JACKSON—Corps of Engineers, Memphis, let contract to Forcum-James Co., Dyersburg, \$118,000, for placing 300,000 cu. yds. earthwork in Little River Drainage District, Cape Girardeau County.

JEFFERSON CITY—State will soon call for bids for 13-story State Office Building, \$3,000,000.

JEFFERSON BARRACKS—Veterans Administration, Washington, D. C., received low bid from Lescountour Construction Co., 4903 Desmar Blvd., St. Louis, \$104,974 for alterations to Buildings 1, 4, 23, Veterans Administration Hospital.

JEFFERSON CITY—State Highway Commission, let contracts for projects in following counties:

Lincoln—Proj. F-299-D(1), 4.257 mi. GE & 27' PCC pvt.; Cameron-Joyce & Co., Keokuk, Iowa, Alt. 422.

Butler—Proj. F-204(S)A, 1.545 mi. 24' PCC pvt.; Atkinson-Windle Co., Chillicothe, \$76,833.

JEFFERSON CITY—State Highway Commission, received low bids for projects in following counties:

Pike—Proj. F-257(13)-A, Rt. 61, 3.939 mi. widening & 22' asphalt conc. pvt.; Payne & Dolan, Inc., Chicago, Ill., \$100,793.

Pike—Proj. F-257(13)-B, 3.939 mi. widening & 22' asphalt conc. pvt.; Payne & Dolan, Inc., Chicago, Ill., \$100,884.

Pike—Proj. F-257(13)-C, Rt. 61, 3.917 mi. widening & 22' asphalt conc. pvt.; Payne & Dolan, Inc., Chicago, Ill., \$100,436.

Pemisicot—Proj. F-840(2)-A, Rt. 61, 4.180 mi. widening PCC pvt. & 24' asphalt conc. pvt.; Charles G. Gilmore Asphalt Products, Anna, Ill., \$151,110.

Pemisicot—Proj. F-840(2)-B, Rt. 61, 2.088

mi. widening PCC pvt. & 24' asphalt conc. pvt.; Charles G. Gilmore Asphalt Products, Anna, Ill., \$76,953.

Stoddard—Proj. F-197(4), Rt. 25, 3.835 mi. widening & 22' asphalt conc. pvt.; Charles G. Gilmore Asphalt Products, Anna, Ill., \$90,060.

New Madrid—Proj. F-15(2)-A, 4.979 mi. widening & 24' asphalt conc. pvt.; Mid-America Engineering Corp., Skokie, Ill., \$130,998.

New Madrid—Proj. F-15(2)-B, Rt. 61, 5.000 mi. widening & 24' asphalt conc. pvt.; Mid-America Engineering Corp., \$103,670.

New Madrid—Proj. F-15(2)-C, Rt. 61, 5.000 mi. widening & 24' asphalt conc. pvt.; Mid-America Engineering Corp., \$103,670.

Atchison, Harrison and Nodaway—Div. 1, 33.568 mi. oil aggr. surf., 9 sections; St. Joseph Fuel Oil & Manufacturing Co., St. Joseph, \$37,520.

Audrain, Clark, Lewis, Lincoln, Monroe, Pike, Scotland and Shelby—Div. 3, 55.701 mi. oil aggr. surf., 12 sections; Rock Hill Asphalt & Construction Co., Clayton, \$49,312.

Carroll, Cass, Clay, Johnson and Platte—Div. 4, 39.747 mi. oil aggr. surf., 9 sections; Kinisk & Son Construction Co., Hickman Mills, \$39,591.

Boone, Callaway, Cole, Howard and Miller—Div. 5, 46.336 mi. oil aggr. surf., 6 sections; Howard Construction Co., Sedalia, \$31,385.

Barry, Barton, Dade, Jasper, McDonald and St. Clair—Div. 7, 83.302 mi. oil aggr. surf., 13 sections; St. Joseph Fuel Oil & Manufacturing Co., St. Joseph, \$78,711.

Cape Girardeau, Scott, Stoddard and Mississippi—Div. 10, 54.271 mi. oil aggr. surf., 12 sections; W. J. Menefee Construction Co., Sedalia, \$58,753.

Dunklin, W. Menefee and Pemisicot—Div. 10, 32.155 mi. oil aggr. surf., 8 sections; Rock Hill Asphalt & Construction Co., Clayton, \$37,261.

JEFFERSON CITY—State Highway Commission, received low bids for projects in following counties:

Stoddard—Proj. F-178(2), Rt. 60, GE, bridges & 22' PCC pvt., on part, 0.839 mi.; Universal Bridge Co., Inc., Kansas City, \$134,578.

Pettis—Proj. S-1105(1)-A, 4.110 mi. GE, bridges & gravel, on or stone surf., Davis Construction Co., Inc., Booneville, \$38,969.

KANSAS CITY—City sold \$1,770,000 trafficway and boulevard bonds and \$750,000 for light improvements to Drexel & Co. of New York.

KANSAS CITY—Public Buildings Service, Washington, D. C., let contract to Carlene Decorating Co., Washington, D. C., \$109,348 for repair and painting Post Office.

KANSAS CITY—City sold \$700,000 bond issue to Drexel & Co. of New York for airport improvements.

KANSAS CITY—City sold \$5,338,000 general obligation bonds to Drexel & Co. of New York of this amount \$263,000 for park and recreation bonds; \$125,000 fire protection; \$250,000 police station; \$325,000 swope park improvements; & \$50,000 public market bonds.

KANSAS CITY—City, has over-all plan for trafficways, bridges and boulevards, \$12,300,000.

KANSAS CITY—City sold \$425,000 bond issue to Drexel & Co. of New York for sewer improvements.

LAMAR—Barton County Electric Cooperative received REA loan of \$410,000, for improvements including construction of 24.5 miles of the lines, 182.5 miles of distribution line.

LEBANON—Laclede Electric Cooperative, Inc., let contract to Griffin Construction Co., Owensboro, Ky., \$487,956, for 348.30 miles of line plus 67.50 miles of conversion in Camden, Pulaski, Dallas, Laclede, Wright and Webster counties.

MAPLEWOOD, BR. ST. LOUIS—Cupples Products Co., let contract to Arthur R. Darr, 4903 E. Chichester, \$1,000, for manufacturing building, 2650 S. Hanley Road, \$250,000.

MARYVILLE—State Purchasing Agent, Jefferson City, plans student service building, \$100,000 and men's dormitory additions, \$120,000; Missouri State Teachers College.

ST. LOUIS—Washington University, plans chemistry building, \$1,000,000.

ST. LOUIS—St. Louis Produce Market, Inc., let contract to Robinson Erection Co., 5540 W. Park Ave., for commission market, N. Market, Palm, 1st & N. Broadway, \$3,000,000.

ST. LOUIS—Missouri Pacific Lines, purchased 63 new diesel locomotives, \$11,299,900.

ST. LOUIS—Anthony Campagna plans apartment on Kingshighway, \$3,500,000.

ST. LOUIS—George H. Moore, District Judge, authorized capital expenditure of \$5,399,600, for improvements to Missouri Pacific Lines property during 1950.

ST. LOUIS—H. B. Deal plans apartment at 14th and Pine Sts., \$1,250,000.

ST. LOUIS—Missouri Pacific Lines, has authority to purchase 35,640 net tons of rail in 170.2 mi. of tracks by George H. Moore, District Judge.

ST. LOUIS—J. & R. Mercantile Co., let contract to Alvin Diehlmann, Clayton Rd., Clayton, for restaurant, \$100,000.

ST. LOUIS—Roadway Express Co., Inc., Ash, Ohio, plans truck terminal, Hall and Buchanan, \$100,000.

ST. LOUIS—Sunshine Terrace No. 1, Inc., Sunshine Apartments, Inc., Sunshine Drive, Inc., & Robert Terrace No. 1, Inc., let contract to Higginbotham Brothers, Inc., 6553 Childress St., for 4 apartment bldgs. on Sunshine Dr. and Robert St., \$250,000.

SAVANNAH—Northwest Electric Power Cooperative received REA loan of \$18,383,000 for 40,000-kilowatt steam plant in vicinity of Missouri City.

STE. GENEVIEVE—Citizens Electric Corp. received low bid from M. Construction Co., Ottawa, Kan., \$103,577, for 187.92 miles of 7.2 kv. single phase, distribution line, Perry county.

WEBSTER GROVES—Webster Groves Christian Church, Bompert & Tuxedo Sts., plan church, chapel and Sunday school, \$300,000.

WEST PLAINS—Howell-Oregon Electric Cooperative received REA loan of \$1,560,000 for 753 miles of distribution line.

NORTH CAROLINA

General Services Administration, Washington, D. C., approved courthouse and post office site and building for Fayetteville, \$2,145,000.

Congressional Committee, Washington, D. C., announced \$332,000 needed for road improvements.

Tennessee Valley Authority proposed \$21,500,000 flood control project for French Broad River.

ASHEVILLE—Bureau of Public Roads, Arlington, Va., let contract to Troitino & Brown Construction Co., \$94,945, for Project 2P5 Blue Ridge Parkway, Buncombe County.

ASHEVILLE—City is seeking \$2,000,000 for sewage plant survey.

BREVARD—First Baptist Church selected Henry I. Gaines, 32 Wall St., Asheville, as Architect for auditorium, \$75,000.

BURLINGTON—Elk Horn BPOE Lodge No. 1623 let contract to H. F. Mitchell Construction Co., \$62,793, for lodge building.

BUXTON—Dare County Board of Education, Manteo, received low bid from McKoy Helgeson Co., 8-A W. North, Greenville, S. C., \$168,400, for elementary and high school.

CHARLOTTE—Biggers Brothers, Inc., let contract to J. J. Jones Construction Co., 209 W. Fourth, \$202,163, for warehouse.

CHARLOTTE—Younts Realty Co. let contract to Whitten Brothers for housing project, \$2,000,000.

CHARLOTTE—American Analine Products, Inc., let contract to Southeastern Construction Co., 301 W. 2nd, for building, 1504 Hutchinson Ave., \$80,000.

CHARLOTTE—Sherman Enterprises, Jacksonville, let contract to Elmore Mackie Construction Co., Catawba, for theater on Rozelle's Ferry Rd., \$100,000.

CHARLOTTE—Green Memorial Baptist Church plans sanctuary on Plaza Rd. and Peachtree St., \$165,000.

CHARLOTTE—Charlotte Park & Recreation Commission received low bid from Lee Construction Co., 422 S. Church, \$109,683, for swimming pool and bath house.

EDENTON—Board of Trustees of Edenton Graded School, let contract to McKoy-Helgeson Co., 8-A W. North, Greenville, S. C., \$193,620, for high and elementary school.

ELIZABETH CITY—Elizabeth City Board of Education let contract to M. L. Skinner, New Bern, \$107,000, for building.

ELIZABETH CITY—Pasquotank County Board of Education let contract to Sparling Construction Co., Guilford Bldg., Greensboro, \$155,000, for elementary school for Negroes.

FARMVILLE—Post Office Department and the General Services Administration, Washington, D. C., approved construction of new post office, \$200,000 or less.

GREENSBORO—Greensboro College let contract to J. A. Jones Construction Co., 209 W. 4th, Charlotte, \$212,600, for science class room building.

GREENSBORO—Board of Trustees let contract to King-Hunter, Inc., 910 E. Market, for agricultural extension building, \$115,632.

HICKORY—Post Office Department and the General Services Administration, Washington, D. C., approved construction of new post office, \$430,000.

(Continued on page 26)



Here's the
Front End
for
Your Money

Higher Lift

Bigger Bucket

Lower Overhead Clearance

NEW BUCYRUS-ERIE DOZER-SHOVEL

For International T-6, TD-6, T-9, TD-9 Loader-Dozer Tractors

HERE'S front-end action that steps up digging, bulldozing and lifting jobs! It's the new Bucyrus-Erie Dozer-Shovel — now available with hydraulic bucket control or gravity dump buckets. With hydraulic bucket control, the operator can "crowd" or tilt bucket without raising lift arms. He can get heaping loads fast . . . dump in a split second or at any slower speed, easing loads into trucks and retracting bucket without hitting truck sides. Operation is easy, a single hydraulic control lever regulating all bucket and lift arm movements.

The new Dozer-Shovel loads big! T-6 and

TD-6 models now carry $\frac{3}{4}$ -yard bucket . . . can lift 2000 pounds to a height of 9'2". T-9 and TD-9 models have 1-yard bucket, and lift 2700 pounds to a maximum height of 9'5". Overhead clearances are only 6'4" and 7'1", respectively, with hydraulic bucket control. Buckets clear 7'6" in 50° dumping position.

The new Dozer-Shovel is a real tight-quarter machine. Visibility is outstanding, too, with all Dozer-Shovel machinery located *below* or *behind* the operator. He can see just what the bucket or blade is doing at all times.

Ask your International Industrial Tractor distributor about this new Dozer-Shovel. He'll be glad to give you full details.

SOUTH MILWAUKEE



WISCONSIN

150749

See Your **INTERNATIONAL** Industrial Tractor Distributor

Southern Construction Projects

NORTH CAROLINA

(Continued from page 24)

KINSTON—Caswell Training School let contract to P. S. West Construction Co., Statesville, combination bid, \$289,000, for dormitory for single women and dormitory for married couples.

McCAIN—North Carolina Sanatorium for the Treatment of Tuberculosis received low bid from J. L. Coe Construction Co., Builders Bldg., Charlotte, \$99,200, for home for colored nurses.

MOREHEAD CITY—M. N. Mosley, Raleigh, received low bid from G. W. Godwin, Dunn, \$149,800, for apartment, hotel and store bldg.

PEMBROKE—Pembroke State College let contract to Frank H. Conner Co., Charlotte, \$119,890, for art building.

RALEIGH—State Highway & Public Works Commission recommended State issue \$75,000,000 block of highway bonds so there will be no slowing down of secondary highway construction program.

RALEIGH—Smallwood Apartments, Inc., Cameron Village, let contract to York Building Co. for apartments, \$400,000.

RALEIGH—State School for Blind & Deaf let contract to Worth D. Kenyon, Capital Club Bldg., \$185,694, for boys' and girls' dormitory.

RALEIGH—North Carolina Hospital Board of Controls let contract to C. M. Guest & Sons, Jefferson Bldg., Greensboro, \$146,687, for nurses' home, North Carolina State Hospital.

RALEIGH—Council of State authorized issuance of second \$50,000,000 secondary roads bonds.

RALEIGH—State Highway Commission received low bids for projects in following counties:

Bertie—grad., and pavt. on 5.01 mi.; Nello L. Teer Co., Durham, \$68,385.

Duplin—pavt. on 1.37 mi.; Exum-Cline Construction Co., Rocky Mount, \$78,843.

Chatham—grad., pavt. and struc. on 2.31 mi. on U.S. 64; F. D. Cline Construction Co., Raleigh, \$228,203.

Randolph—grad. and pavt. on 5.46 mi.; Ray D. Lowder, Inc., Albemarle, \$109,013.

Union-Necklenburg—grad., pavt. and struc. on 6.62 mi. of N.C. 218; Blankenship Brothers, Charlotte, \$126,246.

Alleghany—grad., pavt. and struc. on 6.7 mi. and surf. 2 connecting county roads; W. E. Graham & Sons, Cleveland, \$185,101, for roadway, and Wannamaker & Wells, Inc., Orangeburg, S. C., \$39,588.

Johnston—grad. and hard-surf. 8.67 mi. on U.S. 301; Dickerson, Inc., Monroe, \$74,346.

Nash—grad. and hard-surf. 7.21 mi. on U.S. 64; Wayne Engineering & Construction Co., Inc., Mt. Olive, \$49,416.

Wake—grad. and hard-surf. 8.8 mi. on U.S. 70; Nello L. Teer Co., Durham, \$72,477.

Davie—hard-surf. 6 mi.; Ben R. Propst, Concord, \$62,556.

Forsyth—hard-surf. 20.3 mi. of various roads; W. H. Scott, Inc., Franklin, Va., \$216,441.

Surry—hard-surf. 15.5 mi. of 3 sections of county roads; A. C. Shearer Co., Chapel Hill, \$61,308.

Yadkin—hard-surf. 10.3 mi.; A. C. Shearer Co., Chapel Hill, \$111,993.

Cherokee—hard-surf. 24.1 mi. on 8 sections of county roads; E. H. Hines Construction Co., Inc., Greenwood, S. C., \$251,558.

Clay—hard-surf. 14.7 mi. of 7 sections of county roads; F. H. Hines Construction Co., Inc., Greenwood, S. C., \$149,712.

Graham—hard-surf. 15.5 mi.; Sam Finley, Inc., Roanoke, Va., \$147,527.

Jackson—hard-surf. 14.4 mi. on 10 sections of county roads; A. R. Thompson, Inc., Rutherfordton, \$129,669.

Macon—hard-surf. 12.3 mi. of 4 sections of county roads; Kiker & Yount, Inc., Reidsville, \$125,085.

Swain—hard-surf. 16.1 mi. of 8 sections of county roads; A. R. Thompson, Inc., Rutherfordton, \$134,722.

Wilkes—grad., pavt. and struc. on 3.67 mi. on N.C. 285; National Truck Service, Inc., Asheville, \$102,963, and John H. Brinkley, Thomasville, for struc., \$16,912.

Bertie—pav. 19.0 mi.; Dickerson, Inc., Monroe, \$71,814.

Bertie—grad. and hard-surf. 8.1 mi. on N.C. 308; Dickerson, Inc., Monroe, \$125,821.

Halifax—hard-surf. 15.1 mi.; N. F. Eure, Beaufort, \$110,661.

Halifax—hard-surf. 19.4 mi. of 5 sections; Sam Finley, Inc., Roanoke, Va., \$62,900.

Hertford-Northampton—grad. and hard-surf. 8.5 mi.; Nello L. Teer Co., Durham, \$62,117.

Northampton—grad. and hard-surf. 13.7 mi.; Nello L. Teer Co., Durham, \$71,259.

Northampton—grad. and hard-surf. and struc. on 6.6 mi. on U.S. 158; Nello L. Teer Co., Durham, \$71,220, for roadway, and E. P. Brinkley, Raleigh, for struc.

Beaufort—grad. and hard-surf. on 13.2 mi.; Grannis & Sloan, Inc., Fayetteville, \$198,967.

Hyde—grad. and hard-surf. 4.9 mi.; J. S. Hill Construction Co., Washington, N. C., \$141,450.

Jones—hard-surf. 7.5 mi. on N.C. 41; Barus Construction Co., Kinston, \$51,246.

Lenoir—grad. and hard-surf. 8.37 mi.; Barus Construction Co., Kinston, \$93,107.

Tyrrell—grad. and hard-surf. 10.8 mi. on N.C. 94; N. F. Eure, Beaufort, \$242,634.

RALEIGH—State Highway Commission received low bids for projects in following counties:

Chatham—struc. on county roads; N. E. Brewer Co., \$37,947.

Wake—struc. on county road; N. E. Brewer Co., \$43,175.

ROBESON COUNTY—Robeson County Board of School Commissioners let contract to A. A. Ramsey & Son, Shelby, \$92,500, for Deep Branch School.

ROXBORO—Person County Board of Education received low bid from Southern States Construction Co., 1214 1/2 Washington, Columbia, \$148,885, for grade school.

ST. PAULS—Robeson County Board of Education let contract to Player Realty & Construction Co., Fayetteville, \$199,445, for elementary school.

SALISBURY—First Baptist Church let contract to E. P. Dale Construction Co., Morganton, \$315,286, for church.

SHREVE—Shelby City School Board let contract to Hickory Construction Co., Hickory, \$165,772, for alterations and additions to Cleveland Colored School.

SPINDALE—Post Office Department and the General Services Administration, Washington, D. C., approved construction of new post office, \$200,000 or less.

SPINDALE—Post Office Department and the General Services Administration, Washington, D. C., approved plans for remodeling present post office and acquiring additional land, \$200,000 or less.

TAYLORSVILLE—Post Office Department and the General Services Administration, Washington, D. C., approved construction of new post office, \$200,000 or less.

WHITEVILLE—Board of Trustees of Whiteville City Schools let contract to Norman A. Smyth Co., 404 1/2 S. Tryon, Charlotte, \$110,000, for addition to Whiteville High School.

WILMINGTON—Col. George W. Gillette, Exec. Dir. of State Ports Authority, announced \$5,000,000 port program, will center around 1,500 ft. concrete and steel dock, \$2,225,000.

WILSON—Wilson County Board of Commissioners will construct \$300,000 grain elevator.

WINSTON-SALEM—Shore Real Estate & Insurance Co., 121 1/2 W. 3rd St., has selected William G. Lyles, Columbia, S. C., as architect for Columbia Terrace Apartments, \$250,000.

WINSTON-SALEM—Forsyth County Board of Education let contract to Fowler-Jones Construction Co., 310 Reynolds Bldg., \$1,500,000, for Carver School.

YANCEYVILLE—Caswell County Training School Board of Education let contract to R. H. Pinnix, Gastonia, \$191,449, for new classroom unit.

OKLAHOMA

General Services Administration, Washington, D. C., approved post offices at: Sand Springs, site and building; Wagoner, site and building; Atoka, site and building; Tishomingo, site and building; Oklahoma City, new site and building, cost \$3,300,000.

Walters, site and building; Mountain View, site and building; Newkirk, site and building.

Corps of Engineers, Tulsa, asked House Appropriations subcommittee, Washington, D. C., for \$21,000,000 to continue work on Oklahoma flood control projects; also asked \$9,000,000 for continued work on \$45,000,000 Fort Gibson reservoir; \$120,000 for continued planning of Eufaula reservoir project; \$100,000 for planning at Boswell and \$100,000 for planning at Optima.

BARTLESVILLE—Board of Trustees, 1915 Hillcrest Drive, plans Jane G. Phillips Memorial Hospital, \$500,000.

BOISE CITY—Cimmaron County Board of Commissioners has plans completed for 2-story hospital, \$175,000.

CHICKASHA—Board of Education let contract to M. T. Shelton Construction Co., \$39,331, for grade school.

CLAREMORE—Rogers County Commissioners contemplates 30-bed hospital, \$300,000; Claremore Chamber of Commerce plan financial campaign to raise \$120,000.

DEWEY—Board of Education let contract to Hannaford Construction Co., 1805 E. Haskell Pl., Tulsa, \$119,121, for addition to school.

DUNCAN—Immanuel Baptist Church received low bid from C. T. Hughes, Oklahoma City, \$97,180, for church and educational bldg.

DUNCAN—State Highway Commission, Oklahoma City, let contract to Standard Paving Co., Tulsa, \$334,726, for traffic lanes, \$95,000 bonds voted for buying right-of-way and provide property to state free of charge for widening U. S. Hwy. 81.

END—Garfield Masonic Lodge No. 501, has plans in progress for Masonic bldg., 200 blk. State St., \$100,000.

FORT GIBSON—Corps of Engineers, Tulsa, received low bid from Austin Bridge Co., 1000 Singleton Blvd., Dallas, Lot 1, \$507,086 and Hunter Construction Co., Ada, Lot 2 and base bid alt., \$524,116 and \$27,303, for relocation of Kansas, Oklahoma & Gulf Railway.

FORT GIBSON—Corps of Engineers, Tulsa, received low bid from W. E. Logan & Son, Muskogee, \$194,381, for relocation of State Hwy. 33, Fort Gibson Dam.

JET—Board of Education plans gymnasium and grade school, \$107,000.

LAWTON—Lawton Cooperative Association let contract to Johnson and Sampson, Salina, Kans., for new wheat elevator west of City, \$90,000.

LAWTON—State Highway Commission, Oklahoma City, received low bid from Myron Groseclose, Oklahoma City, \$263,815, for 11th St. urban road project.

MADILL—City plans sewage disposal plant, \$130,460.

MADILL—City plans city hall, \$123,600.

MINDEN—Webster School Board sold \$400,000 bond issue to John Dane & Associates of New Orleans for Springfield School District No. 8 of Webster Parish.

MUSKOGEE—W. P. Milling Co., Jack Walker and John T. Purcell, 119 S. Cherokee, start work soon on 210,000-bushel-capacity grain warehouse, \$110,000.

OKENE—City received low bid from Lippert Brothers, 2800 N. Santa Fe, Oklahoma City, \$163,479, for hospital.

OKLAHOMA CITY—Board of Education received low bid from Grant C. Carpenter, \$149,685, for Edwards School.

OKLAHOMA CITY—University of Oklahoma has final plans in progress for addition to medical school, \$600,000.

OKLAHOMA CITY—Board of Education received low bid from C. H. Skaggs, \$206,630, for James Monroe Elementary School.

OKLAHOMA CITY—Board of Education let contract to C. H. Skaggs Construction Co., 2342 Dorchester Drive, \$165,760 for James Monroe Elementary School.

OKLAHOMA CITY—Trinity Baptist Church plans educational bldg., \$200,000.

OKLAHOMA CITY—Veterans Administration, Washington, D. C., has preliminary plans nearing completion for 500-bed hospital, \$8,000,000.

OKLAHOMA CITY—State Highway Commission, received low bids for projects in following counties:

Bogers—4.586 mi. grad., drain, 24-ft. roadway, reinf. conc. cul.; Oklahoma Construction Co., Muskogee, \$57,746.

McIntosh—U. S. 266, 7.128 mi. 4-in. sand cushion, 24-42 ft. wide conc. paving; Sooner Construction Co., Muskogee, \$407,221.

Mayes—SH 20, 6.348 mi. 24-42 ft. wide asphalt paving; Standard Paving Co., Tulsa, \$229,362.

Marshall—SH 99, 1.759 mi. grad., drain, reinf. conc. culvert; Anchor Construction Co., Muskogee, \$161,286.

Johnston—SH 99, 1.759 mi. grad., drain, reinf. conc. culvert; Anchor Construction Co., Muskogee, \$161,286.

Harmon—5.007 mi. grad., drain.; J. B. Graybill, Leedey, \$40,387.

Grady—5.966 mi. grad., drain, 2 reinf. conc. culverts; H. R. Landt, Oklahoma City, \$62,504.

Boger Mills—SH 47, 7.789 mi. grad., drain, reinf. conc. culvert, 100-ft. F-span conc. bridge; G. E. Keck, Fairview, \$90,496.

Roger Mills—SH 47, 4.340 mi. same type constr., reinf. conc. culvert; G. E. Keck, \$101,788.

Roger Mills—SH 47, 7.789 mi. asphalt base; Park-Ward Co., Oklahoma City, \$91,048.

Roger Mills—SH 47, 4.322 mi. same type constr.; Park-Ward Co., \$48,508.

Haskell—SH 9, 5.913 mi. grad., drain., 38-

(Continued on page 44)

P&H

SINGLE PASS SOIL STABILIZERS

Give You Highest Quality Roads at Minimum Cost

QUALITY

With years of development and practical use, the P&H Soil Stabilizer enables you to process native soils, with any type of admixture, into high quality roads... mile after mile... the predetermined requirements are maintained with controlled uniformity.

SPEED

Time is reduced by the P&H Soil Stabilizer with its higher degree of mechanization. This *one* machine in *one* pass and with just *one* operator performs all pulverizing, blending and mixing operations... and does it rapidly.

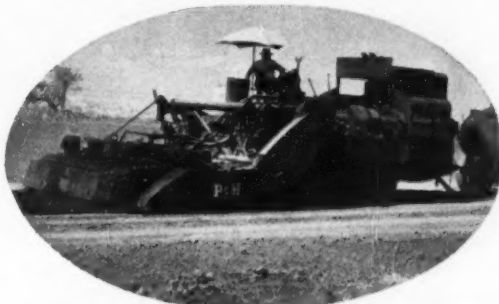
ECONOMY

More miles for your road dollar results from high rate of production, maximum use of in-place materials, minimum added ingredients, equipment and supervision.

Uniform quality means longer lasting roads... less maintenance. *And*, the stabilized roads you build today will be excellent road foundations for the heavier traffic of the future.



The sandy type soil in place ready for processing by the P&H Soil Stabilizer.



The P&H Soil Stabilizer processing at a rate of 500 lineal feet, 24-foot highway per hour.



U. S. Highway 281 after completion.

U. S.
HIGHWAY
281

for example:

This P&H Soil Stabilizer, processed at a rate of over 500 lineal feet of 8-inch, 24-foot roadway per hour. Sandy soil required 4% to 5% MC-3 cut-back asphalt to provide maximum stability and minimum absorption. The roadway was then armor-coated with a single bituminous surface treatment.

P&H

SINGLE PASS
SOIL STABILIZERS
4557 West National Avenue
Milwaukee 14, Wis.

HARNISCHFEGER CORPORATION

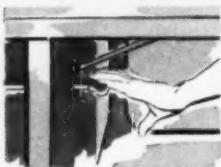
LITERATURE. For better base courses, light traffic roads, airports, at lower cost, investigate the P&H Soil Stabilizer. Write today for literature.

SOIL STABILIZERS • EXCAVATORS • OVERHEAD CRANES • ARC WELDERS AND
ELECTRODES • CRAWLERS • TRUCK CRANES • HOISTS • DIESEL ENGINES
CANE LOADERS AND PRE-ASSEMBLED HOMES



CHAMPION

the NEW



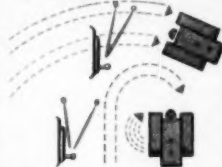
Positive all-weather starting on gasoline, with quick change-over to full diesel operation, all from the seat.



Instant speed change up or down one speed, or stop, without declutching. Planet Power drive does it!



Separate reverse lever for quick change of direction. The tractor moves in the direction the lever is moved.



Planet Power steering puts turns with power on both tracks, feathered turns and pivot turns at your fingertips.

HERE ARE SOME OF THE CHAMPION'S EXCLUSIVE FEATURES

Self load and run with scrapers of 17-yard capacity—and shift gears on-the-go with the rolling load.



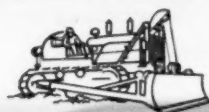
Cut waste shifting time out of work cycles; provide the best speed for every operation, 8 speeds in each direction!



Work on grades up to 100%. Its power, ground contact, balance and lubrication are right for licking any grade.



Handle heaviest loads on gradual turns as easily as straightaway because both tracks are powered in the turn!



"There Is Nothing Like The TD-24. It Can Out-Push Any Tractor On The Job."

"Here is the Champion of Crawlers," owners will tell you, "the tractor that will pull down your dirt moving costs."

Contractors and operators who have observed or operated the new International TD-24 diesel crawler are spreading the news. Here is a tractor that out-works and out-performs every other crawler known to the industry!

Operators compete with each other from Florida to Alaska to get "the big red devils," the TD-24's, assigned to them. They'll tell you no other tractor can compare with the TD-24 for ease of operation or work capacity!

of Crawlers **INTERNATIONAL TD-24**

Comfortable to ride, powerful, fast, safe and economical to operate, the TD-24 is revolutionizing ideas of what crawler tractors can or cannot do on the big jobs.

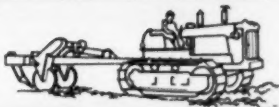
Regardless of what equipment you now use, visit your International Industrial Power Distributor and get a TD-24 demonstration. See for yourself what the TD-24 can mean to your operations in shortened time, reduced costs, extra profits.

INTERNATIONAL HARVESTER COMPANY • Chicago



INTERNATIONAL INDUSTRIAL POWER

Tune in "Harvest of Stars" with James Melton, Sundays, N. B. C.



REPEAT

ORDERS

**FROM ALL OVER
THE COUNTRY...**



PROVE HENDRIX BUCKETS ARE THE BEST

**3 TYPES
FOR EVERY DIGGING
PURPOSE**

**3/8 to 40
CUBIC YARDS**

HENDRIX
Lightweight
**DRAGLINE
BUCKETS**

The large percentage of "repeat orders" for Hendrix Dragline Buckets are real evidence of satisfaction. Their outstanding performance of delivering more pay dirt at lower cost makes them the first choice of progressive producers. Hendrix Buckets are engineered and designed to give years of low-cost, high-profit operation with the minimum of maintenance. Repeat orders prove Hendrix Buckets are best!

For descriptive literature ask your dealer
or write

HENDRIX MANUFACTURING CO., INC.

MANSFIELD - LOUISIANA

EUCLIDS

JOB PROVED FOR PRODUCTION AND PROFITS!



E

ngineered and built for heavy duty off-the-highway and industrial hauling, Euclids are job proved for high production at the lowest cost per ton or yard moved.

Owners prefer Euclid equipment for its efficiency and dependability under a wide range of operating conditions. Long service life combined with low operating and maintenance costs result in more profits and less down time. Operators prefer "Eucs" for their ease of handling, riding comfort, and positive control on soft fills and rough haul roads.

"Euclid is the best earth moving equipment we've ever used," say owners... "it does more work and costs less to own in the long run." Production records from hundreds of jobs prove that Euclids are the best for performance and profits.

The services of a Euclid specialist are available without cost or obligation. Call or write for an estimate on your present work or future jobs.

The EUCLID ROAD MACHINERY Co. Cleveland 17, Ohio

EUCLID

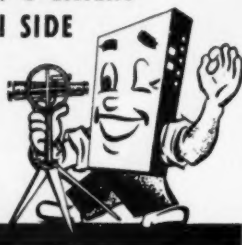


NO ALIGNMENT PROBLEMS WITH UNI-FORMS!

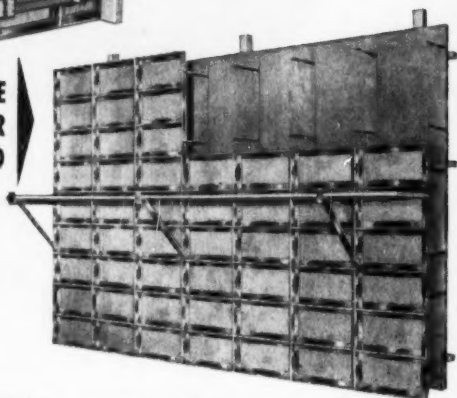
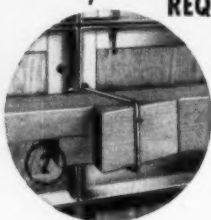
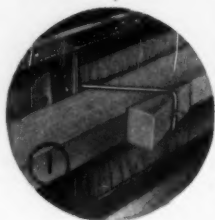
IT'S EASY...AUTOMATIC...REQUIRED
ON ONE SIDE ONLY



9' HIGH FORM
ONLY 3 LINERS
ON 1 SIDE



FRONT SIDE
NO LINER
REQUIRED



Alignment . . . an important factor in accurate concrete forming . . . is reduced to a simple mechanical operation in UNI-FORMING.

Steel-framed UNI-FORMS erect into a tight, rigid form requiring no additional structural members . . . minimum alignment is required, regardless of form height. Liner Clamps and wedges secure alignment to UNI-FORMS. (Detail 1) When liners meet, they are overlapped (Detail 2) . . . no cutting . . . no fitting . . . saves labor and material.

UNI-FORMING is concrete forming on a production line basis . . . the fastest . . . smoothest . . . lowest cost method of forming any concrete.

UNIVERSAL

Form Clamp Company

FOUNDED 1912

1238 N. KOSTNER

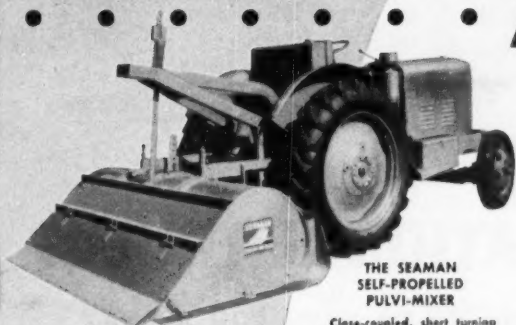
CHICAGO 51, ILL.

RENTED...SOLD...OR RENTED WITH A PURCHASE OPTION

The New SEAMAN MIXER

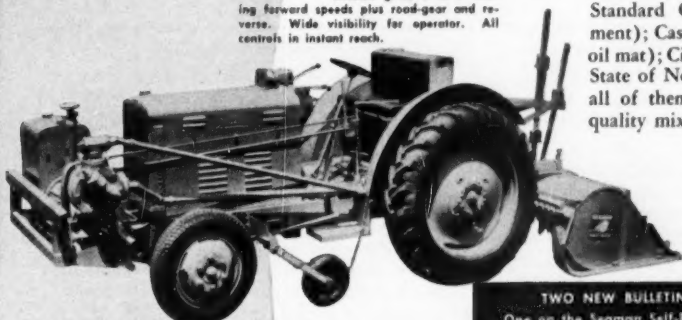
**THE PRIMARY
EQUIPMENT FOR
ALL MAJOR
BITUMINOUS,
SOIL-CEMENT AND
ALL SOIL-STABILIZED**

Projects!



**THE SEAMAN
SELF-PROPELLED
PULVI-MIXER**

Close-coupled, short turning radius; single or dual transmission gives 3 to 7 mixing forward speeds plus road-gear and reverse. Wide visibility for operator. All controls in instant reach.

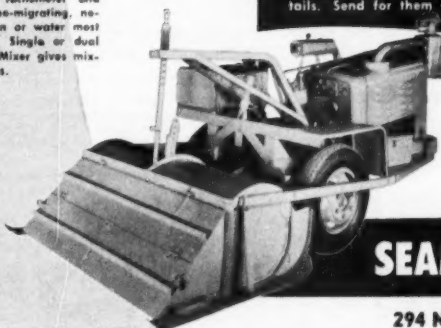


THE SEAMAN SELF-PROPELLED TRAV-L-PLANT

All the advantages of Self-Propelled Pulvi-Mixer plus spray bar, pump, pump tachometer and tachometer wheel for accurate, no-migrating, non-evaporating admixture of bitumen or water most efficiently just ahead of rotor. Single or dual transmission, like Self-Propelled Mixer gives mixing speeds to match all conditions.

**THE SEAMAN
PULL-TYPE
PULVI-MIXER**

More selective speed transmission controls rotor-speed to obtain best mixing despite variables in speed of towing tractors. Can easily be equipped with spray bar, pump and tachometer wheel for bitumen or water taken from transfer or tank truck.



TWO NEW BULLETINS!

One on the Seaman Self-Propelled Mixer and Trav-L-Plant—the other on the Seaman Pull-Type Mixer. Yours on request. Complete details. Send for them now.

In short, the SEAMAN brings "plant-mix quality at lowest road-mix cost."

These new quality-mixing records are due to selective speed transmissions that match mixing speeds exactly to materials.



SEAMAN MOTORS, INC.

294 N. 25th Street, Milwaukee 3, Wis.

Whatever your construction job asks of a truck . . .



NEW INTERNATIONAL TRUCKS

ARE Heavy-Duty Engineered TO SAVE YOU MONEY

Heavy-duty engineering for long truck life on tough truck jobs is yours now in every single new International Truck from 4,200 to 90,000 pounds GVW.

That's the same extra value engineering that has kept Internationals first in the sale of heavy-duty trucks for 18 straight years.

America's most cost-conscious, profit-minded truck users have preferred Internationals year after year for only one reason: heavy-duty engineering means that International Truck performance is longer life performance, lower operating and maintenance cost performance.

And now the same management, engineers, test experts, and production men who kept Internationals a tradition in the heavy-duty truck field have developed every new International Truck. No matter what size truck you use, there's a heavy-duty engineered International Truck that's right and ready for you!

**You'll find new comfort
in the new Comfo-Vision Cab**

Model for model, here is "the roomiest cab on the road." It gives you new comfort in easy-riding cushions, adjustable seats, controlled ventilation. It gives

you full front visibility through a one-piece, scientifically curved Sweepsight windshield.

And comfort is right at your fingertips when you take the sturdy wheel. The entire steering system is engineered for more positive control from a more comfortable position.

**You'll get an all-new truck proved
under actual operating conditions**

"Proved under actual operating conditions" takes in years of time, millions of dollars, countless miles. But these new Internationals took in all those and then some -- to give you proved-in-advance performance.

No matter what kinds of roads or loads, climate or conditions your trucks must meet, there's a new International that has been proved right for your requirements.

Find out all about that truck from your nearest International Truck Dealer or Branch, soon.

International Harvester Builds
McCormick Farm Equipment and Farmall Tractors
Motor Trucks . . . Industrial Power
Refrigerators and Freezers



Tune in James Melton and "Harvest of Stars"
NBC, Sunday afternoons

ALL NEW, ALL PROVED

INTERNATIONAL TRUCKS

INTERNATIONAL HARVESTER COMPANY CHICAGO

BRIDGE BUILDING EXPERIENCE, UNLIMITED



900-ft. 4-span Deck Truss Highway Bridge over Pedernales River, Travis County, Texas. Steel furnished by Virginia Bridge Company—685 tons. Luther A. Turner & Son, Genl. Contr., Austin, Tex.



NC&StL Railway Bridge near Cartersville, Ga. 112-ft. Thru Plate Girder being set in place by Virginia Bridge Company's 60-ton Diesel derrick car.

In bridge building there's no substitute for experience

Engineering, Fabricating and Erecting experience that includes thousands of highway and railroad bridges, is your assurance of bridge-building efficiency at Virginia Bridge. Masters of their craft, our skilled workmen have spent years on end making the drawings, preparing the templets, fabricating and erecting the steel for these bridges. They await the call to your job.

To serve the best interests of the Engineer, the General Contractor and the owner we know the importance of accurate clean-cut drawings; precision fabrication; proper sequence deliveries; carefully timed and coordinated production and erection schedules. It pays to let "Experience" build your bridge, and regardless of size, type or design we welcome your inquiry.



Virginia Bridge Company

ROANOKE

BIRMINGHAM

MEMPHIS

NEW YORK

ATLANTA

DALLAS

UNITED STATES STEEL

Equipment and Material Makers' News

New Compaction Roller



New Huber Compactor with Scalloped Rolls

Huber Manufacturing Co. of Marion, Ohio, announces a new Huber compactor roller, developed in response to a demand of the construction industry for a unit specially designed to meet today's exacting compaction requirements.

Recognizing the growing importance of compaction in highway fills, earth dams, etc., and the mounting problems of meeting compaction specifications on contract jobs, Huber engineers have designed the new roller to fill a wide range of compaction applications. The new unit is a one-man, self-propelled machine engineered to give high compaction values.

Thoroughly tested in more than a year of varied operations in the field, the new Huber compaction roller has a per wheel inch of compaction of 5,387 pounds. It compacts 4,100 square feet an hour at an average speed of approximately two miles per hour.

With a set of five scalloped rolls, the Huber compaction roller can be converted to a conventional 12 ton 3-wheel type roller.

The rear rolls of the compaction roller have a series of five scalloped ribs at the outer circumference. Each rib consists of 12 four-inch-high scallops and the ribs are staggered from one row to another in such a manner that there is a high point every 3 1/2 inches. The ribs are two inches wide and are spaced 2 1/2 inches apart.

The slope of the scallops on one roll is opposite to the scallop slope on the other roll—this is true of both of the two rear rolls and the two sections of the front roll.

The front roll scallops are similar to those on the rear except that the height has been lessened. This arrangement provides better tractive effort and eliminates continuous grooves in the soil, which would allow surface water to run. Also, this staggered arrangement, combined with the undulations of the bends, provides a kneading action that produces better compaction with a minimum of lateral displacement of the soil.

There is an independent roll-cleaning scraper for each groove, providing assurance that the grooves will be free from dirt and that the scallops will give a uniform depth of pattern in the soil at all times.

Windrow Eliminator or Trailing Blade

Another accessory unit developed to increase the utility of Allis-Chalmers' new low-priced Model D motor grader is an hydraulically controlled windrow eliminator manufactured by the Tractomotive Corp. of Deerfield, Ill. The new device will add another profitable technique to this spring's cleanup operations when highway crews hustle out to make roads ready for a new season. On shoulder maintenance jobs, for example, the windrow eliminator or trailing

Windrow Eliminator for Use With Allis-Chalmers Tractor



blade will clear off the excess material which the grader moldboard usually piles up along the road's edge. This time-saving, cost-cutting attachment reconditions road shoulders in one pass, eliminates extra trips and improves traffic conditions because the windrow is immediately feathered out under accurate regulation.

Constant control is easily maintained because the eliminator rides on its own wheels, and blade settings are not affected by up and down movement of the grader. The unit is easily mounted on the grader frame by four heavy bolts and two 1 1/2 in. pins—no welding for cutting. Necessary complete assembly by two men can be accomplished in less than three hours. The unit operates off the grader hydraulic system and can be easily raised and lowered to suit maneuvering requirements.

Many governmental bodies operating on small budgets cannot afford several basic earthmoving units usually required for efficient operations, so equipment manufacturers are necessarily developing accessory pieces for one basic unit. The capacity of the Allis-Chalmers' Model D has been steadily increased the demand for several accessory units—a rear-mounted 3 cubic yard shovel, a front-mounted V-type snowplow and bulldozer, and now the Windrow Eliminator. The Model D's added flexibility enables it to perform a greater variety of work which previously would have required more machines and a larger capital investment.

Performance Characteristics of LeTourneau Tournapulls

Studies conducted by the Production Cost Unit of the Bureau of Public Roads of LeTourneau Super C Tournapull scraper units working on rural highway grading jobs show that the average pay load was 9.6 cubic yards. Total time each unit spent in loading, dumping, and turning averaged 2.4 minutes each round trip exclusive of delays. The haul and return speeds averaged 640 feet per minute.

The data presented in this report are a composite summary of observations made on random jobs and represent the performance obtained by the contractors during the periods of study. No endeavor has been made, to appraise the suitability of the equipment for the particular jobs or to present selected data for purposes of enabling comparisons of performance to be made with other types or classes of equipment.

Nineteen units working on 6 different projects were observed for a period during which 8,060 loads of material were moved. Pusher or puller tractors were used during loading operations.

A variety of classes of material was encountered on each job as well as between jobs from "easy digging" in comparatively light material to "hard digging" in heavy clay. The average pay load was computed on each job from load counts and the corresponding cubic yards of excavation obtained from cross-sections.

McGraw Promoted to Head Riddell Sales

Promotion of A. William "Bill" McGraw to the position of general sales manager, Warco-Hercules Road Machinery Division, has been announced by Jacques E. Jones, general manager, W. A. Riddell Corp., Bucyrus, Ohio.

Mr. McGraw, who has an extensive experience in the sales and servicing of heavy construction machinery, will have complete charge of all sales activities of Warco motor graders and Hercules road rollers. His new duties will include intensification of the corporation's program of manufacturer-distributor cooperation in all phases of marketing, sales and service, and supervision of Riddell's field sales organization. In addition to domestic and Canadian sales, McGraw will supervise development of Warco's export markets.

Under his direction, Riddell introduced to contractors and highway officials the new line of motor graders, including the Warco 4D-100 heavy duty and the Warco 4D-76 general duty models.

Engine-Torque Converter Unit

Detroit Diesel Engine Division, General Motors Corp., Detroit, Mich., has recently issued a booklet on the engine-torque converter unit. In the pages of this illustrated booklet is complete information concerning what a torque converter is and how it functions, where and how it has been applied and an invitation to power machinery users

everywhere to use Detroit Diesel facilities in engineering particular applications in any field.

The advantages of transmitting power from internal combustion engines through hydraulic drives, whether fluid couplings or torque converters, have long been recognized in many fields. Up to now, however, engines and fluid drives have been separate units. The fluid clutch or torque converter has been purchased from a transmission manufacturer and attached to the engine flywheel by the engine builder or the equipment manufacturer. Now General Motors offers a new kind of torque converter, specifically designed and manufactured as an integral part of the General Motors Diesel engine. The result is a self-contained unit built by one manufacturer that provides a long-needed saving in space and weight as well as many additional and desirable operating characteristics never before available.

Special features and advantages of the General Motors torque converter are that it has more power for gaining speed, full power for maintaining speed, freedom from shock loads, freedom from stall with overload, greater operating economy, ease of handling—less operator fatigue and little to wear out and simple to service.

Link-Belt Opens Factory Branch

Link-Belt Company announces the opening of a factory branch store and warehouse in Kansas City, Mo., at 2630 Holmes Street, in a two-story building with a total floor area of 13,200 square feet.

It is conveniently reached by bus, truck, car or taxi being only a half-mile from the Union Station and 2 1/2 miles south of the center of the downtown business district.

An adjoining lot, with 75-ft. frontage on Holmes St., provides ample parking space for both customers and employees.

Ample stocks of conveyor and power transmission machinery parts, chains, sprockets, bearings, speed reducers, elevator buckets, etc., will be carried at the new address so that customers in the Kansas City area and surrounding territory can be served promptly from local stocks.

Arthur J. Olson, district manager, points out that the company has long felt the need for a factory branch store in Kansas City, with liberal stocks, in order to supply the territory's ever-expanding requirements more quickly—either direct or through distributors.

Dean Uhl Appointed Export Service Manager

The appointment of Dean Uhl, western division service manager, to the position of export service manager for Caterpillar Tractor Co., has been announced by M. A. Clements, general service manager.

Appointment of Mr. Uhl will relieve Ralph C. Dunn, assistant general service manager, who for many years has served as export service manager in addition to his other administrative duties. At the same time the move will allow expansion of service activities to export dealers.

Coming with the transfer of Mr. Uhl is the announcement that Harrison Welch, eastern division service manager, is the new western division service manager. Mr. Welch's position as eastern division service manager is to be filled by D. L. Lammers, a member of the service development division.

Pension Plan Proposed

A maximum pension for life of \$100, including Social Security benefits, for salaried and hourly employees meeting service and age requirements has been proposed by Allis-Chalmers Manufacturing Co., Milwaukee, Wis.

Walter Giest, Allis-Chalmers president, said that the pension plans would apply to employees within and without collective bargaining units. He added that the plans for 65 years of age or older who have credited service with the firm of 25 years. Employees retiring at the age of 65 with less than 25 years of service with the company would receive a proportionate amount per month for life.

The pension plan proposed to the unions is non-contributory and guarantees the \$100 per month maximum for the employee for 65 years of age or older who have credited service with the firm of 25 years. Employees retiring at the age of 65 with less than 25 years of service with the company would receive a proportionate amount per month for life.

Caterpillar Annual Report Shows \$36,000,000 Sales

Sales in 1949 of Caterpillar Tractor Co., Peoria, Ill., have exceeded the previous year's sales by over 36 million dollars and have set an all-time high record, according to the company's recently released annual report, signed by President Louis B. Neumiller.

Profit for the year amounted to \$18,834,787 or 7.30 per cent of the sales volume, an increase of more than five million dollars over 1948 earnings. Dividends paid during the year totaled \$7,010,757, consisting of \$6,587,840 on common stock and \$422,917 on preferred stock.

Wages, salaries and employee benefits paid out by the company in 1949 amounted to \$76,825,559, which was \$5,405,769 more than was expended for this purpose in 1948. The average number of people employed in 1949 was 22,795 compared with 21,638 for 1948.

The sales outlook continues to be generally favorable. During 1949, prices in U. S. dollars of Caterpillar products were stable and costs, taxes, government fiscal practices, and other pertinent factors all indicate that such prices are not likely to fall below present levels in the near future.

In reporting on operations for the year, Caterpillar pointed out that this year marked the fulfillment of the expansion and modernization program commenced in 1946. During this four-year period the Caterpillar Tractor Co. has grown from 79 to 128 acres of floor area.

Crush Proof Gasoline Hose

Development of a soft, crush-proof gasoline hose for use on curb pumps at filling stations was announced by United States Rubber Co., New York.

The new hose is lighter, more flexible and easier to handle than helically woven wire hose normally used on curb pumping units. It is constructed of an oil-resistant synthetic rubber tube, two braided plies of high strength rayon cord with a built-in static wire and a sun and age-resisting neoprene cover.

The hose is being marketed in sizes of 3/4-inch and 1-inch inner diameter and in standard lengths. It is available with either replaceable compression spring fittings or the newly-developed non-replaceable couplings.

Super-7 Texrope Belt

Availability of an oil-resisting high-capacity Super-7 Texrope belt with a 40 per cent higher rating than the standard belt has been announced by Thomas C. Knudsen, manager and chief engineer of Allis-Chalmers' Texrope drive department, Milwaukee, Wis.

In offering this new addition to the company's V-belt line, Mr. Knudsen points out that the high-capacity belt maintains the same stretch characteristics as a standard belt and has the same safety factor margin. It originally was offered for installations where space was limited and a standard drive could not be used. Recently, it has been finding more general use in industry since the price of a complete drive utilizing the high-capacity belt is generally less than for a standard drive.

Ash Removal Simplified by Electric Hoist

Ash removal from the basement of the Menasha School of Adult Education, Menasha, Wisc., as it is with most large buildings, was a difficult and slow job. This problem was solved by the installation of a P&H Zip-Lift electric hoist. The 24-ft. lift of the hoist is ample to remove loaded ash cans weighing up to 2,000 lbs. for this height sufficient for easy loading on trucks. The hoist operates on standard 110-volt current.

Information on the P&H Zip-Lift Electric Hoist in capacities up to 2,000 lbs. for this and other services, may be obtained by writing Harnischfeger Corp., Hoist Division, 4400 West National Avenue, Milwaukee 14, Wisc.

Traveler Catalog

J. D. Adams Manufacturing Co., Indianapolis, Ind., has issued a catalog on the new Adams Traveler loader. This Traveler loader is belt-type, self-propelled and self-feed, picks up and loads any kind of windrowed material such as dirt, sod, gravel, sand, bituminous mix, scarified black top and snow faster than any other machine or method. The loader has the control station on top—operator is above dust area and can see in all directions. The catalog describes the manner in which the loader works, how it is used, and has a full-page chart of specifications.

Davey Compressor Company Releases New Bulletin

A bulletin descriptive of its new 60 c.f.m. super chief portable compressor has just been released by the Davey Compressor Co., Kent, Ohio.

This lists all features of the Model 60-WBD, a new low-priced machine which the manufacturer claims is the lightest in weight, most economical operating compressor available today.

Bulletin photos show the Super Chief in action on railway, road-building, public utility, cemetery, house painting, plumbing, sand blasting and numerous other jobs. Compressor specifications are listed in detail.

Three New Thor Circulars

Independent Pneumatic Tool Co., Aurora, Ill., manufacturers of Thor portable power tools, announces three new circulars covering Thor universal electric tools and mining and contractors' tools.

Circular JE-1148 gives complete data on the new Thor "Copper Line" tools. The release covers the new low-priced Thor 3/4-in. and 1/2-in. drills and also illustrates and describes the new drill stands available for these new drills.

Circular JE-1139 describes the new Thor Model 35 Sinker Rock Drill, giving complete tool specifications supplemented by cutaway drawings of integral parts of the new 35-lb. tool.

Circular JE-1132 catalogs four Thor mining tools describing and illustrating a new sinker leg, bar feed, pneumatic column and stoper leg.

Thew Shovel Introduces Lorain TL-25, 50

The Thew Shovel Co., Lorain, Ohio, has introduced the Lorain-50, a new power shovel-crane and a new machine in the 3/4-yd. class, known as the Lorain TL-25.

The Lorain-50 is rated in the 1-yd. class and is claimed to be the first machine in this class equipped with a hydraulic coupling as standard equipment. The power take-off on the Lorain-50 is by means of a twin-disc hydraulic coupling. It is claimed this device prevents stalling the engine due to any digging circumstances and that it provides a means of absorbing digging stresses and strains before they are transferred into the operating mechanism and the cables. The hydraulic coupling is equipped with a plate clutch "de-clutcher" to permit stopping the machinery without stopping the engine. A complete line of interchangeable boom equipment is provided for the Lorain-50 including: shovel equipment, crane boom, lifting cranes, clamshells, dragline, and hoist.

The turntable design of the Lorain TL-25 is such that it is comprised of several major components. Each of these components is built on its own separate assembly line as an integral unit, complete with all sub-assemblies and parts installed. The Lorain TL-25 offers many other standard features, including electric starter and operating lights, five central clutches to control all machine operations, one-piece, all-welded turntable bed; hook rollers mounted on drop-forged brackets with centralized pressure lubrication; machine-cut internal ring gear; oil-enclosed, machine cut gears throughout except for two intermittently-used gears; anti-friction bearings used on all horizontal power shafting and clutch friction drums; and power load lowering.

Conveyor Bulletin Issued by Hewitt-Robins, Inc.

A new bulletin has been announced by the Robins Conveyors Division of Hewitt-Robins, Inc., Passaic, N. J. It gives an illustrated description of the recently-introduced Hewitt-Robins Sectional Conveyor. This unit, easily assembled in the field, consists of a heavy-duty drive section, a tail section and any desired number of intermediate truss sections to form a conveyor of any length up to limitations of the belt. Made in widths of 18 in., 24 in., 30 in., and 36 in., the intermediate truss sections are 6 ft. 6 in., 15 ft. 6 in., 18 ft. 6 in., and 21 ft. 6 in. long by 24 in. deep, and also 24 ft. long by 42 in. deep. Both depths can be used on the same length of conveyor by means of a transition section 24 in. deep at one end, tapering out to 42 in. deep at the other. Bent supports for setting the conveyor on a grade range from 4 ft. deep to 50 ft. deep, or more. A protective decking of 16-gauge curved plate forms a protective separation between carrying and return strands of the Hewitt Rubber belt. Two types of take-ups are available: protected screw-type for conveyors up to 200 ft. long, and vertical gravity type for longer installations.

Wayne Monotrol Hot-Mix Plant



Wayne Monotrol Model M-20.

A new continuous, bituminous hot-mix plant is being manufactured by the Wayne Crane Division, American Steel Dredge Co., Inc., Fort Wayne, Ind., according to an announcement by Don L. Douglass, vice president and division sales manager. The M-20, having a 20-ton per hour capacity, is the first model to go into production.

Known as the Wayne Monotrol Model M-20, it is designed for one-man control. All functions of the plant are electrically operated from a single control panel. The entire plant is built in sections which are easily assembled "on the job" and as easily disassembled for changing location of the plant. The largest single unit weighs 3,000 lbs.

Positive control of the quality of the mix is the most important feature of the new machine. Accurate proportioning and thorough mixing of the bituminous materials are insured by several patented mechanical devices. An individually controlled volumetric-type feeder valve for each raw aggregate bin compartment permits accurate proportioning in any specified percentage.

A three-section rotating dryer prevents segregation and can eliminate up to 100 per cent of the moisture if required. The dryer is equipped with a patented design of baffles, dams and stops which thoroughly mixes the aggregate as it continually drops from the bottom of the dryer through the heat. The percentage of moisture content removed can be regulated by the rotating speed of the dryer.

Constant accuracy of the bituminous mixture is maintained by several patented features on the hot aggregate measuring bin and bitumen pump control. The feed screw of the bin is actuated by a variable speed transmission. An indicator dial shows the operator the amount of aggregate moving into the pugmill while an electric-speed control to the bitumen pump permits constant accuracy in mixing any desired proportions. The variable speed transmission permits changing the flow of the aggregate while the machine is in operation.

Improvements Noted on Handy Moto-Bug

Principal improvements noted in the 1950 model Moto-Bug, a power wheelbarrow manufactured by the Kwik-Mix Co., Port Washington, Wisc., is a large steering wheel to replace the lever bar arrangement formerly used for guiding the unit.

The introduction of the steering wheel permits the operator to handle the Moto-Bug in the same manner as an automobile and with the same ease. Steering gear ratio has been increased from 2 to 1 to 4 to 1. Sturdily built, the Moto-Bug has a rated hopper capacity 10 cu. ft. or 1200 lbs. on the platform body. It is powered by a standard 4 h.p. gasoline engine and travels at speeds of 1 1/2 to 4 mph, both forward and reverse.

Whether walking behind the machine or riding on the optional step, the steering wheel arrangement provides a more convenient method of handling the Moto-Bug. A tachometer indicator is also included with the new steering feature.

1950 Model Moto-Bug by Kwik-Mix.



Equipment and Material Makers' News

Koehring Introduces Admix Meter for Pavers

Koehring Company, of Milwaukee, announces development and availability of a new admix meter, specifically designed for installation on either the Koehring 16-E or 34-E Twinbatch Pavers. The attachment is also suitable for use in connection with water batchers in ready-mix or central mix plants.

The admix meter is designed as a metering device for automatically measuring a predetermined quantity of a liquid air entraining agent into the concrete batch. Entirely mechanical, movement of the paver skip actuates the meter.

Capacity of the admix meter is adjustable from 1½ to 20 fluid ounces, in 1/10th ounce increments. A 40-gallon supply tank is included in the arrangement along with all necessary operating linkages. The meter can be furnished with all new Twinbatch Pavers or it can be installed in the field.

Joliet, Ill. Site for New Caterpillar Plant

Caterpillar Tractor Co., Peoria, Ill., announces that it has acquired approximately 300 acres of unimproved land near Joliet, Ill., on which it will immediately start construction of a new factory in which will be manufactured a large portion of the Company's extensive line of bulldozers, scrapers, wagons and rippers.

The new plant at Joliet marks an additional expansion of Caterpillar's manufacturing facilities with which it is planned to achieve the greatest possible economy in the manufacture and distribution of Caterpillar products. In addition to its main plant at Peoria, Illinois, Caterpillar has a factory and Parts Depot at San Leandro, California and Parts Depot at Kansas City, Kansas; Atlanta, Georgia; Shreveport, Louisiana; Albany, New York; Minneapolis, Minnesota; Spokane, Washington and Indianapolis, Indiana.

The Joliet site, located between U. S. Highway 6 and the Des Plaines River, approximately two miles southwest of the city of Joliet, is suited ideally for the manufacture, assembly and shipping of earthmoving equipment. It is comparatively close to many of the company's major steel suppliers. In addition to being located on the Illinois Waterway with barge service to and from Peoria, the site is served by the main line of the Rock Island Railroad with excellent connections in Joliet to several other railroads.

While the cost of the facilities, which will include a modern steel fabricating and assembly building, an office building, a heating plant and a sewage and water treatment plant, was not disclosed it is understood that it involves the expenditure of several millions of dollars. The manufacturing facilities will cover approximately 700 thousand square feet of floor space and it is estimated that twelve to thirteen hundred people ultimately will be employed in its operation.

T. R. (Ted) Farley, Vice President, Caterpillar Tractor Co., Peoria, with more than thirty years of experience in the manufacture and merchandising of the company's products, will become general manager of Caterpillar's new Joliet plant, according to President L. B. Neumiller.

Gradall Design Features

New design refinements incorporated into the Gradall by The Warner & Swasey Co., Cleveland, Ohio, over recent months contribute to improved efficiency.

Width of the circular roller path around the circumference of the main turntable has been increased, permitting the use of larger bearing rollers. In addition a bogie-mounted pair of rollers has taken the place of each single tapered roller formerly used, so that eight rollers share the load formerly handled by four, providing greater stability.

The hydraulic control valve manifold formerly located at the front of the operator's cab has been moved back adjacent to the pumps at the engine.

Relocation of the valve manifold has permitted the redesign of the operator's cab, now equipped with an inclined front window and single-pane side windows for greater visibility.

A 2,000-pound counterweight at the inboard end of the main boom balances the extended portion of the telescoping boom and increases its lifting capacity by permitting more of the power input to act directly on the payload.

Blaw-Knox Vibratory Subgrader



Blaw-Knox Vibratory Subgrader.

Latest model of the Blaw-Knox vibratory subgrader is usable for road widths from 20 to 25 feet and is equipped with a cross-over bridge for batch trucks.

The machine applies a vibratory force of 2,000 impulses per minute to the forward edge of the cutting blades. This develops great efficiency in cutting through the earth and saving the subgrade. A method of insulation and control directs the vibrations into the ground without transmitting shock or movement into the road forms.

The machine's cutting blades and strike-off are quickly adjusted for crown. The warping of the subgrade from flat to crown, or the reverse, can be accomplished without stopping the forward motion of the subgrader. Batch trucks can traverse the pass-over while the machine is in motion.

Booklet Released by U. S. Rubber

A comprehensive guide to the selection, care and use of power belting for tractors, combines and other types of farm machinery has been published by United States Rubber Co., New York.

The 18-page booklet, called the most complete listing of its kind in the belt industry, lists the farm implements and machinery produced by more than 60 manufacturers and recommends the proper type and size of belt which will give the best service. Data for flat, round, standard V and double V types of belting are furnished.

"Domor" for "Caterpillars"

A new device for converting a "Caterpillar" Motor Grader into a one-man self-propelled elevating grader has been announced. The Ulrich Products Corp. of Roanoke, Ill., in cooperation with Caterpillar Tractor Co., Peoria, Ill., has recently placed this product on the market. Sold under the trade name, Domor, an Ulrich Products Corp. trademark, the new attachment will be marketed through "Caterpillar" dealers.

In making the conversion the standard blade, circle and drawbar are removed and the elevating carrier adjustably supported under the main frame. A 30-inch disk plow is drawn by a pivot beam attached to the standard drawbar connection. The 42-inch carrier is driven by power take-off from the motor grader engine and has a normal speed of 400 feet per minute. It is equipped with a four ply corrugated top conveyor belt, firmly connected by metal hinges. Carrier rollers are mounted on ball bearings. An efficient auger type pan cleaner is driven by well-protected gears.

The standard carrier is 19 feet in length, giving ample heights for loading. For casting work, a three foot section can be removed, thus reducing the length of the carrier to 16 feet. Carrier lift is operated by cables powered by regular blade controls. The upper end of the carrier is lifted by the right hand blade control, while the lower end is connected to the blade side shift control.

It is claimed that this machine will give production comparable to a 42-inch pull-type elevating grader, and has the advantages of one-man operation, lower upkeep and greater mobility. Weight is about 6,000 pounds.

"Domor" Attachment for Converting Caterpillar to Elevating Grader.



Regensburger Heads Link-Belt General Engineering Unit

Link-Belt Co., Chicago, Ill., announces that H. Walter Regensburger has been appointed chief engineer of its general engineering department to succeed Mr. Harry L. Strube, who has retired after many years' service in sales and executive engineering capacities; and that the department has been transferred from Philadelphia to 301 West Pershing Road, Chicago.

Assisting Mr. Regensburger will be Charles M. Young, Jr., in the capacity of chief developmental engineer, and Harold F. Watson as chief standards engineer. Both men have been identified with the general engineering department since it was first organized in Philadelphia in 1946, and both were previously members of the Philadelphia plant engineering department.

Mr. Regensburger, a mechanical engineering graduate of Armour Institute of Technology (I.I.T.) entered Link-Belt employment in 1926 at the Caldwell plant Chicago. He has served in the estimate-engineering departments of both the Caldwell and Pershing Road plants, Chicago; in merchandise sales at Pershing Road; as chief engineer at the company's Atlanta plant, 1936 to 1944; as assistant to the vice-president in charge of engineering, at executive offices in Chicago, 1944 to 1947; and has since then been located at the Pershing Road plant, first as divisional engineer and then as asst. chief engineer.

Rex Adjusta-Hite Bulletin

Chain Belt Co. of Milwaukee recently published bulletin No. 50-10, illustrating and describing Rex horizontal moto-mixers and the sensational, new, Rex Adjusta-Hite discharge moto-mixers.

This new 16-page bulletin gives detailed descriptions of the many features of the Rex horizontal and adjusta-hite moto-mixers. Cutaway views, job illustrations and dimensional drawings clearly show these features in operation and their value to the user.

The advantages of fluid-drive couplings with the Rex chain drum drive and Rex transmission are fully explained and illustrated.

A complete table of specifications and mounting dimensions for all sizes of both the Rex horizontal moto-mixer and the Rex Adjusta-Hite discharge moto-mixer is given.

Pioneer Engineering Works Releases 20-Page Booklet

A new 20-page booklet covering its complete line of portable combination 2-unit crushing and screening plants has been issued by Pioneer Engineering Works, Minneapolis 13, Minn.

The booklet covers primary and secondary rock and gravel plants, featuring the portability and versatility of the plants to meet the varying conditions for aggregate production. Complete specifications are given, together with a guide to proper selection of equipment.

A full cut-away view of two typical plants shows the flow of materials through the units and explains the exclusive Pioneer feature of split feed, which greatly increases the screening capacity of the plants.

New Program Developed

A new program designed to increase the production of cold reduced sheets by about 200,000 tons a year in the Chicago District of Carnegie-Illinois Steel Corp. was announced by United States Steel subsidiary, Gary, Ind. This increased production will be obtained without major additions to plant facilities at the Gary sheet and tin mill where the sheets will be rolled.

The program, which will be completed in about 15 months, includes improvement and modernization at the Gary Sheet and Tin Mill and also at Gary Steel Works where the slabs are produced from which these sheets are rolled.

At the Gary sheet and tin mill the existing temper mills and pickling lines will be modernized to increase their capacity, and an additional shear line will be installed. At Gary Steel Works the 36-inch slabbing mill will be revamped with the installation of modern equipment, making it possible for this mill to furnish sufficient additional slabs to maintain full capacity at Gary Sheet and Tin Mill.

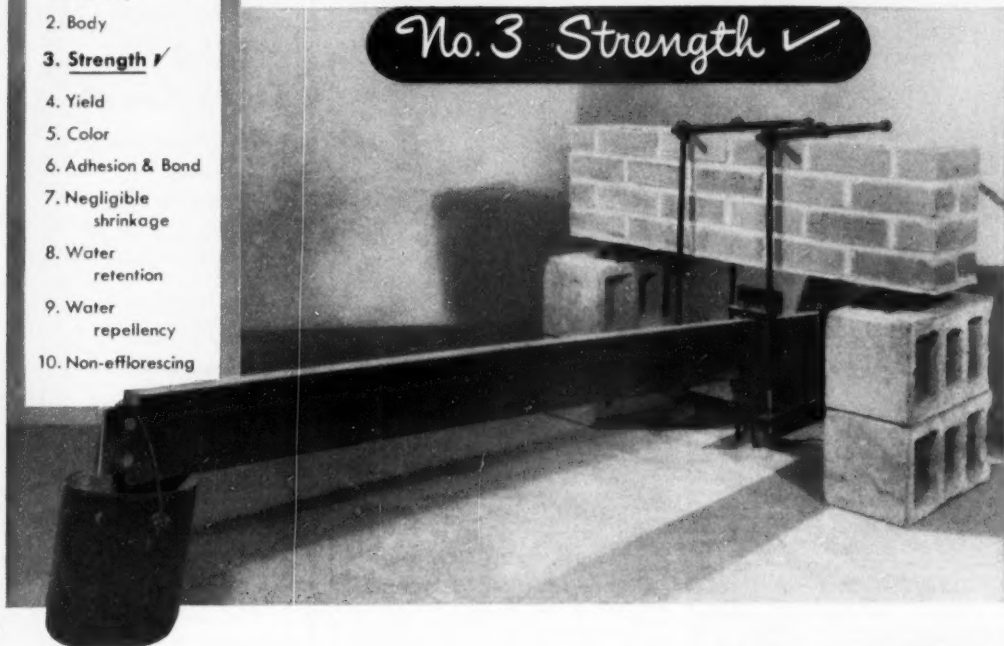
The 10 basic requirements of high quality masonry cement

1. Plasticity
2. Body
3. **Strength** ✓
4. Yield
5. Color
6. Adhesion & Bond
7. Negligible shrinkage
8. Water retention
9. Water repellency
10. Non-efflorescing

Cumberland gives you

ALL 10!

No. 3 Strength ✓



TO SEE HOW strong mortar is when it's made with Cumberland Masonry Cement, try the Wallethe test. Try to "bend" a section of brick wall by sheer stress. We do it regularly (see photo)—to make sure that masonry bonded with this super-strong mortar will always resist a bending stress far greater than any normally encountered.

For this and nine other good reasons, it *pays* to pick Cumberland Masonry Cement. More architects, engineers and masons are finding that out every year.



New science building, University of Chattanooga. Architect, Sears & Shepherd; contractor, L. A. Warlick. Cumberland Masonry Cement used throughout.



Cumberland
PORTLAND CEMENT COMPANY

Chattanooga Bank Building • • Chattanooga 2, Tennessee

Portland — High Early Strength — Air Entraining — Masonry

Any quantity of Cumberland Masonry Cement will be shipped in mixed carloads with other types of Cumberland Cement.

Link-Belt Speeder Publishes New Catalog



Link-Belt HC-51 Crane.

Link-Belt Speeder Corp., Chicago, Ill., has recently published Catalog No. 2322, which contains applications, construction details, customer benefits and specifications of the new HC-51 truck-mounted shovel-crane with speed-o-matic hydraulic controls.

Paramount features of the HC-51 are fully hydraulic speed-o-matic controls, front drum reversing mechanism for power control load lowering (particularly advantageous for steel erection) and a heavy duty carrier specifically designed for truck-crane operation.

The corporation has incorporated many other proven Link-Belt Speeder design features into this machine for more efficient performance. As are all Speeder machines, the HC-51 is convertible to all conventional front-end attachments. It has a travel speed of 37 m.p.h., 10 speeds forward—2 speeds reverse—walking beam support on rear axles allows rear wheels to follow uneven terrain and equalize roads, all clutches but one in the upper are completely interchangeable, all shafts and gears in anti-friction bearings, adjustable hook type conical rotating rollers, pin connected hinge type folding boom for road travel, and easily removed rear outrigger for shovel and trench hoe operation over the rear.

New Koehring Catalog Discusses 16-E Twin Batch

The rubber tire mounted Koehring 16-E Twinbatch, latest development in the Koehring line of mixing equipment, is discussed in detail in a new catalog recently published by the Koehring Company of Milwaukee. Heavy-duty constructed, the versatile, Diesel powered 16-E Twinbatch is a general pur-

Koehring 16-E Twinbatch.



pose mixer that can be used on intermediate paying work as well as many special applications. The mixer has been used to excellent advantage on such engineering projects as aqueducts, tunnels, bridges and large buildings.

Designed to earn big profits on construction work as well as small paving jobs, the 16-E mixes and distributes up to 50 cubic yards of concrete per hour, exceeding the capacity of the larger 27-E single drum paver. It is equipped with the Koehring designed Twinbatch mixing drum and has a top output capacity of 86.7 batches per hour, based on a 60 second mixing cycle specification.

The bulletin also points out several remarkable features incorporated in the design of the new machine: rubber tired mobility at speeds of more than 6 mph; hydraulic power steering controlled from operator's platform; a 60 degree elevating boom that provides for controlled bucket discharge up to a height of 21 feet; the fast charging 1 second skip hoist and exclusive Koehring Autocycle timing for split second mixing controlled by Batchmeter. A special tower attachment and ad-mix meter are listed as optional equipment.

LeTourneau Promotions

R. G. LeTourneau, Inc. announces several personnel promotions in the company's advertising department.

Lloyd Rager has been named assistant advertising manager. He has been with LeTourneau since 1936. He has been responsible for the preparation and production of technical data, including manuals and parts catalogs. In the Navy during World War II, Mr. Rager served at the Naval Supply Depot in Mechanicsburg, Pa. He did liaison work between the spare parts control section and manufacturers. Other Navy duties were with the Naval Supply Section on Okinawa. Recently he participated in a nationwide series of LeTourneau distributor conferences to become better acquainted with their merchandising and distribution problems.

Steve Czerwinski, advertising coordinator, has been named sales promotion supervisor, succeeding Vernon E. Pray, who resigned to become advertising manager for Schield-Bantam Co., Waverly, Iowa. Mr. Czerwinski joined LeTourneau in 1945, following Army service in the South Pacific. A graduate of Quoddy Tech, Eastport, Me., he worked as a publisher's agent and has had considerable experience in industrial advertising and promotion.

Succeeding Mr. Czerwinski as advertising coordinator is Leland B. Adams, who has been with LeTourneau since 1946, first as copywriter and later in the export advertising section. Before joining LeTourneau, Mr. Adams handled newspaper and radio advertising promotion in Peoria and Detroit. He is a Yale graduate.

Walter E. Kohrs, editor since 1943 of "LeTourneau Co-Operator," an earthmover's magazine sent to construction equipment operators, owners and mechanics the world over, has been assigned to the sales promotion section. He joined LeTourneau in 1943 after several years as a member of the editorial staff of Peoria newspapers. He is a graduate of the University of Iowa.

Succeeding Mr. Kohrs as editor of "LeTourneau Co-Operator" is David R. Harvey, who has been handling a portion of the company's news bureau activity for the past year and a half. He joined the LeTourneau advertising department in 1946, in the photographic section.

Bernard J. Martin has been promoted from the photographic section to the advertising department's news bureau, succeeding Mr. Harvey.

Worthington Wagon Drills

Bulletin H-1200-B36A describing Worthington Wagon Drills is now available from Worthington Pump and Machinery Corp., Construction Equipment Sales Division, Holyoke, Mass.

This 10-page illustrated bulletin features three models: UMW-40 equipped with a 4-inch cylinder bore; UMW-35 equipped with a 3½-inch cylinder bore; and UMW-30 with a 3-inch cylinder bore. The wagon wheel base of each model is 6 feet 3 inches.

General Purpose Hoists

Two new catalogs covering the line of American general purpose hoists are announced by American Hoist & Derrick Co., St. Paul, Minn. Both catalogs are profusely illustrated with operating pictures as well as illustrations of mechanical parts and assemblies. Catalog No. 100-H-40 covers American general purpose hoists from 5 to 40 horsepower. Catalog No. 100-H-55 covers American hoists from 50 to 100 horsepower.

See Your FOOTE Sales Agent

—for MultiFoote
and
Adnun Pavers

**BUCHANAN-ROONEY
EQUIPMENT CO.**
Nashville, Tennessee

**GILL EQUIPMENT
COMPANY**
Atlanta, Georgia

**FLORIDA EQUIPMENT
COMPANY**
Jacksonville, Miami and
Tampa, Florida

**INTERSTATE EQUIPMENT
COMPANY**
Statesville, North Carolina

**NIXON MACHINERY &
SUPPLY CO.**
Chattanooga, Tennessee

**G. C. PHILLIPS TRACTOR
COMPANY**
Birmingham, Alabama

**RICHMOND MACHINERY
& EQUIPMENT CO., INC.**
Richmond, Virginia

**SOUTHERN EQUIPMENT
SALES CO.**
Columbia, South Carolina

**SOUTHERN STATES
EQUIPMENT CO.**
New Orleans, Louisiana

**WEST VIRGINIA TRACTOR
& EQUIPMENT CO.**
Charleston, West Virginia

—for Adnun
Black Top Pavers

**DALRYMPLE
EQUIPMENT COMPANY**
Amory, Mississippi

**WILSON MACHINERY &
SUPPLY CO.**
Lexington, Kentucky



SURFACE ACCURACY

**no other method
of spreading can equal**

Continuous Course Correction — the automatic feature of the Adnun that corrects the irregularities in successive courses of black top pavement is an exclusive Adnun feature.

With the rollers riding on the finished surface and the Cutter Bar set close to the rollers, finished surfaces of unusual smoothness can be laid even with a very rough base and the minimum of advanced preparation.

The danger of "tearing" is reduced by the oscillating, sawing, cutting action of the Cutter Bar and an initial compression results from the bevel design of the tooth. This combined with the Breaker Bar action permits laying the heavier, tougher, cold mixes other pavers find difficult. Full adjustment permits "feathering" edges for widening on crowned surfaces and laying narrow strips. These advantages mean time and money. Don't plan a Black Top Contract without investigating the Adnun.

THE FOOTE CO., INC.

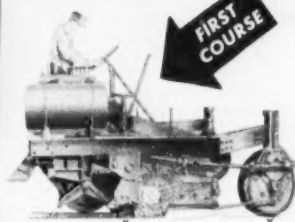
Subsidiary of Blaw-Knox Co.

1906 State Street, Nunda, N. Y.

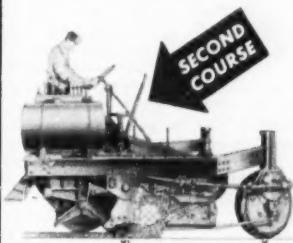
ADNUN
TRADE MARK REGISTERED
BLACK TOP PAVER



**See How
the Adnun Lays
Smoother Pavement**



Photodiagram of an Adnun Black Top Paver laying the first course over irregularities. For the purposes of illustration, the front wheel has been dropped into a hole the unusual depth of 5 inches. Even a hole this deep causes a deflection at the Cutter Bar (X) of only 3/4 of an inch.



Photodiagram of the second or top course. Here the front wheel of the Adnun has arrived at (X) a drop of 3/4 of an inch. The 3/4 inch hollow will be smoothed completely and an imperceptible ripple of 3/16 of an inch will be left at (X) in the finished course.

**Are you paving concrete?
Ask for a copy of the Booklet,
"How Would You
Do These Jobs?", on the
MultiFoote HighLift Boom.**

Southern Construction

(Continued from page 7)

dential projects—were reported stabilized at an average of 8.5 per cent below the peak. Highway construction costs, including airports, are averaging 12.8 per cent below the peak, with declines continuing in many areas. Heavy construction costs—railroads, bridges, dams, water works—averaged 10 per cent from the peak.

A large volume of work is being placed on the market, the A. G. C. statement declared, thus indicating that 1950 can be another year with a record volume of construction on a national scale. The contractors report an adequate supply of materials, machinery and manpower, generally. Labor productivity and efficiency of contracting organizations continues to increase.

The survey, however, was made before the current critical economic situation was apparent from the coal strike. The A.I.S.I. reported late in February that the operating rate of the steel industry, which was preparing to further curtail its activities was 73.7 per cent.

Estimated bookings of fabricated structural steel dropped slightly to 116,987 tons, according to the American Institute of Steel Construction. Shipments showed a decline of 131,468 tons, as compared with the preceding month's 135,500 tons. The backlog, or tonnage available for future fabrication, for the next four months stands at 564,577 tons.

An interesting sidelight on the materials situation was uncovered last month, when the pressure on the Baltimore and Savannah plants of the National Gypsum Co. became so great that it was necessary to ship as much material as possible from the company's New York plants into the South. John W. Brown, National Gypsum general sales manager, emphasized efforts to prevent delay of construction jobs using gypsum products. "We must recognize," he said, "that the situation will remain tight for some time to come."

Less-than-seasonal decline in construction activity was recorded during February, says the Construction Division of Department of Commerce and the Department of Labor's Bureau of Labor Statistics, which estimate the total value of

(Continued on page 36)

INDUSTRIAL

	February, 1950		Contracts Awarded First Two Months 1950
	Contracts Awarded	Contracts to be Awarded	
Ala.	\$750,000	\$9,580,000	\$1,413,000
Ark.	500,000	735,000	670,000
D. C.	215,000	7,700,000	1,000,000
Fla.	850,000	44,500,000	1,492,000
Ga.	375,000	375,000	2,460,000
Ky.	3,718,000	2,590,000	350,000
La.	5,738,000	36,150,000	15,225,000
Miss.	4,612,000	10,650,000	7,848,000
Mo.	860,000	212,000	4,770,000
N. C.	2,496,000	722,000	5,004,000
Okla.	615,000	790,000	3,079,000
S. C.	184,000	17,311,000	715,000
Tenn.	2,293,000	1,500,000	321,000
Tex.	9,825,000	1,639,000	3,338,000
Va.	415,000	35,000	16,245,000
W. Va.	1,000,000	100,000	5,916,000
TOTAL	\$34,301,000	\$133,965,000	\$71,946,000

PRIVATE BUILDING

(Assembly, Commercial, Residential, Office)

	February, 1950		Contracts Awarded First Two Months 1950
	Contracts Awarded	Contracts to be Awarded	
Ala.	\$1,345,000	\$5,323,000	\$3,254,000
Ark.	589,000	1,580,000	734,000
D. C.	550,000	550,000	5,400,000
Fla.	15,251,000	16,316,000	23,767,000
Ga.	5,213,000	8,673,000	5,181,000
Ky.	420,000	485,000	520,000
La.	11,883,000	11,645,000	18,137,000
Miss.	17,073,000	3,875,000	25,131,000
Mo.	4,195,000	5,408,000	4,620,000
N. C.	5,697,000	1,060,000	10,395,000
Okla.	3,198,000	3,375,000	6,870,000
S. C.	861,000	1,025,000	12,311,000
S. C.	5,939,000	530,000	7,480,000
Tenn.	590,000	6,441,000	9,816,000
Tex.	22,706,000	41,374,000	57,055,000
Va.	4,314,000	7,620,000	5,976,000
W. Va.	500,000
TOTAL	\$94,374,000	\$115,780,000	\$196,597,000

ROADS, STREETS, BRIDGES

	February, 1950		Contracts Awarded First Two Months 1950
	Contracts Awarded	Contracts to be Awarded	
Ala.	\$1,688,000	\$220,000	\$1,688,000
Ark.	1,377,000	670,000	1,377,000
D. C.	26,000	3,808,000	26,000
Fla.	2,375,000	2,511,000	5,308,000
Ga.	2,158,000	1,028,000	3,157,000
Ky.	1,124,000	2,640,000	1,515,000
La.	4,613,000	31,210,000	5,788,000
Miss.	1,572,000	16,820,000	6,856,000
Mo.	1,133,000	7,735,000	1,548,000
N. C.	1,846,000	16,347,000	3,525,000
N. C.	4,286,000	7,325,000	6,642,000
Okla.	3,756,000	3,106,000	4,553,000
S. C.	1,232,000	3,560,000	1,232,000
Tenn.	150,000	840,000	5,715,000
Tex.	7,561,000	115,110,000	9,151,000
Va.	25,160,000	1,870,000	47,556,000
W. Va.	1,009,000	700,000	1,513,000
TOTAL	\$61,067,000	\$215,428,000	\$108,952,000

PUBLIC BUILDING

(City, County, Federal; Housing; Schools)

	February, 1950		Contracts Awarded First Two Months 1950
	Contracts Awarded	Contracts to be Awarded	
Ala.	\$4,326,000	\$2,285,000	\$6,754,000
Ark.	811,000	3,624,000	1,451,000
D. C.	3,240,000	20,615,000	3,638,000
Fla.	1,413,000	8,578,000	2,919,000
Ga.	2,270,000	3,555,000	5,096,000
Ky.	455,000	1,480,000	2,145,000
La.	2,785,000	7,850,000	5,321,000
Miss.	585,000	41,343,000	9,476,000
Mo.	3,515,000	10,251,000	3,871,000
N. C.	585,000	4,305,000	1,648,000
N. C.	3,834,000	8,970,000	6,574,000
Okla.	1,639,000	7,757,000	2,401,000
S. C.	1,492,000	2,705,000	2,654,000
Tenn.	2,530,000	19,090,000	5,138,000
Tex.	11,476,000	18,482,000	17,130,000
Va.	4,312,000	2,375,000	7,308,000
W. Va.	152,000	6,450,000	237,000
TOTAL	\$51,411,000	\$169,415,000	\$83,591,000

PUBLIC ENGINEERING

(Dams, Drainage, Waterworks, Sewers, etc.)

	February, 1950		Contracts Awarded First Two Months 1950
	Contracts Awarded	Contracts to be Awarded	
Ala.	\$134,000	\$21,155,000	\$134,000
Ark.	4,415,000	38,790,000	5,148,000
D. C.	150,000	23,820,000	306,000
Fla.	1,622,000	26,851,000	2,158,000
Ga.	276,000	45,319,000	710,000
Ky.	4,731,000	3,390,000	10,889,000
La.	2,194,000	8,513,000	2,964,000
Miss.	760,000	52,380,000	3,033,000
Mo.	253,000	22,463,000	988,000
N. C.	179,000	29,560,000	401,000
Okla.	2,631,000	594,343,000	6,032,000
S. C.	791,000	1,730,000	1,008,000
Tenn.	6,214,000	2,390,000	8,470,000
Tex.	11,545,000	43,141,000	24,305,000
Va.	87,000	1,550,000	3,785,000
W. Va.	730,000
TOTAL	\$36,002,000	\$785,978,000	\$70,245,000

SEE YOUR BLAW-KNOX DEALER

O. B. AVERY COMPANY
St. Louis 10, Mo.

CONLEY-LOTT-NICHOLS
MACHINERY CO.
Dallas and Lubbock, Texas

R. B. EVERETT & CO.
Houston, Texas

ARKANSAS EQUIPMENT
CO., INC.
Little Rock, Ark.

LELAND EQUIPMENT CO.
Tulsa 1 and Oklahoma City,
Oklahoma

CONSTRUCTION
EQUIPMENT CO.
Birmingham 1, Ala.

DALRYMPLE EQUIPMENT
CO.
Amory, Mississippi

WILSON-WEESNER-
WILKINSON CO.
Knoxville and Nashville, Tenn.

ROAD BUILDERS
EQUIPMENT COMPANY
Memphis 2, Tenn.

SOUTHERN STATES
EQUIPMENT CO.
New Orleans 11, La.

CAROLINA TRACTOR &
EQUIP. CO.
Salisbury, North Carolina

W. C. CAYE & COMPANY
Atlanta 2, Georgia

FLORIDA EQUIPMENT
COMPANY
Jacksonville, Miami and
Tampa, Fla.

JEFF HUNT MACHINERY
COMPANY
Columbia, S. C.

BRANDEIS MACHINERY &
SUPPLY CO.
Louisville 8, Ky.

MATT A. DOETSCH
MACHINERY CO.
Washington, D. C.

RISH EQUIPMENT CO.
Berkfield, Charleston and
Clarksburg, W. Va. and
Richmond and Roanoke, Va.
Cincinnati, Ohio

H. H. MEYER CO., INC.
Baltimore 3, Md.

BLAW-KNOX EQUIPMENT earns More Profit



3 Hi-Boy Trukmixers, a Blaw-Knox Aggregate Batching Plant and Bulk Cement Plant... a complete Ready-Mix package earning money for Steele-Rice Co. The Blaw-Knox "Complete Package" of construction equipment includes: Paving Forms, Subgraders, Paving Spreaders, Finishing Machines, etc.

STEADY consistent production at lowest possible cost—that's Blaw-Knox performance that earns you profit on every construction job. Whatever your job—building big dams or bridges, small sewers or culverts, paving super-highways or Main Street—it will pay you to put your operations on a cost-cutting assembly-line basis with the Blaw-Knox "Complete Package" of construction equipment. It contains everything you need to solve your concrete problems, from material handling to finished slab. Write for complete details, or see your nearest Blaw-Knox distributor.

BLAW-KNOX DIVISION

of Blaw-Knox Company

2066 Farmers Bank Bldg., Pittsburgh 22, Pa.

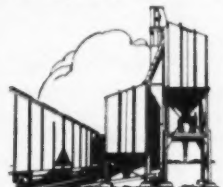
New York • Chicago • Philadelphia • Birmingham • Washington



CLAMSHELL BUCKETS in a wide range of types and sizes for re-handling, trenching, dredging or hard digging.



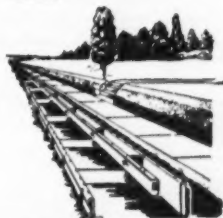
CONCRETE BUCKETS speed work, cut concrete pouring costs. Built to handle huge quantities of low slump concrete.



BULK CEMENT PLANTS for accurate batching and handling large volumes of cement.



HI-BOY TRUKMIXERS with the revolutionary revolving hopper permit faster charging and discharging with minimum seal maintenance.



STEEL CURB AND GUTTER FORMS, a complete form system for every curb, curb and gutter, integral curb, special curb and sidewalk job.

Get Complete Details from your Nearest **BLAW-KNOX** Dealer

Southern Construction Projects

OKLAHOMA

(Continued from page 26)

ft. roadway; D. V. Allen, Henryetta, \$93,939.
Haskell—3,937 mt. stab. aggregate base, Layman & Sons, Tulsa, \$225,866.

OKLAHOMA CITY—State Highway Commission, received low bids for projects in following counties:

Washington—FAP No. F-15(7), 2,245 mt. grad., minor drain, struc. and PC conc. pavt.; Jack Ericson, Stillwater, \$198,210.

Stephens—FAP No. F-102(3), 2,233 mt. grad., minor drain, struc., PC conc. pavt. and 2 bridges; S. E. Evans Construction Co., Ft. Smith, Ark., \$114,595.

Jefferson—FASP No. S-381(5), 4,209 mt. grad., minor drain, struc., asph. stab. base & single bitum. surf. course; F&H Construction Co., Oklahoma City, \$37,158.

Delaware—FASP No. S-694(1), 2,400 mt. grad., minor drain, struc. traf. bnd. surf. course and 1 bridge; Merritt Construction Co., McAlester, \$41,394.

Lincoln—FASP No. S-251(4), 0.169 mt. grad., minor drain, struc. and traf. bnd. surf. course and 1 bridge, 0.036 mt.; James Brothers, Shawnee, \$40,494.

Hughes—FASP No. S-643(1), 0.205 mt. grad., minor drain, struc. bnd. surf. course and 1 bridge, 0.059 mt.; O. R. Gragg, Henryetta, \$91,389.

Wagoner—SAP No. 1047(1), 7.387 mt. grad., minor drain, struc. stab. aggre. base and double bitum. surf. course; McConnell Construction Co., Muskogee, \$232,421.

Comanche—SH 37, 0.980 mt. grad., drain. reinf. conc. culvert; Myron Groseclose, Bethany, \$263,819.

Haskell—SH 9, 0.061 mt. for 5 reinf. conc. culverts; Oklahoma Construction Co., \$79,629.

CUMULGEE—City plans sewage treatment plant, \$455,500.

PAULS VALLEY—Pauls Valley State Hospital plans construction and modernization program, \$1,801,270.

PARIS—Henry County Court plans voting bond issue for 70-bed hospital, \$900,000.

PERRY—First Christian Church plans church, \$100,000.

SELMA—Buffalo Famous Cooperative Elevator Co., let contract to Chalmers & Borton Construction Co., Hoke Bldg., Hutchinson, Kans., for grain elevator, \$119,500.

TULSA—Chamber of Commerce, Aldar Temple, will soon call for bids for 3-story U. S. Junior Chamber of Commerce Bldg., 21st & Boulder, \$220,000.

TULSA—Lt. Col. Joseph W. Turner, Commandr., and U. S. Engineer Office, Tulsa, plan motor maintenance and storage pool building, and quartermaster supply building, \$150,000.

TULSA—Tulsa County Commissioners, will hold bond election for \$2,500,000 span and overpass at 51st St.

TULSA—University Methodist Church let contract to A. L. Ward Construction Co., for educational bldg., \$200,000.

SOUTH CAROLINA

J. C. Long, 88 Broad St., Charleston, received low bid from M. B. Kahn Construction Co., \$1,600,000 for 5 apartment bldgs. in Rock Hill, Anderson, Sumter, Greenwood and Orangeburg.

General Services Administration, Washington, D. C., approved post office, etc., site and building for taxpayers; under \$200,000.

Congressional Committee, Washington, D. C., estimates \$2,000,000 will be needed for road improvements.

ALLENDALE—Allendale School District No. 22-C, let contract to Ruscon Construction Co., Charleston, \$32,000 for school.

ANDERSON—Anderson County Legislative Delegation, announced \$250,000 will be available for county's 1950 road paving program.

CHARLESTON—Halsey and Cummings, Architects, has plans in progress for additions to existing schools and construction of new ones; \$500,000 bond issue voted.

CHARLESTON—Corps of Engineers, received low bid from Norfolk Dredging Co., Norfolk, Va., \$368,408, for maintenance dredging in Charleston harbor.

CHARLESTON—South Carolina Power Co., announced plans for 1950 construction program, \$7,220,808.

CHATTANOOGA—Sears and Shepherd, Architects, has plans and specifications for addition to Kirkman Vocational School, \$890,000.

CLEMSON—Clemson College let contract to Brisse Lumber Co., Anderson, \$229,703 for agricultural and engineering building at Clemson Agricultural College.

CLINTON—Clinton Cotton Mills & Lydia Cotton Mills, received low bid from Crosland

Construction Co., 1623 Harden, Columbia, \$169,427 for swimming pools and bath houses.

COLUMBIA—Southern Railway System, Washington, D. C., ordered additional 21 diesel road units from Electro-Motive Division of General Motors Corp., \$3,500,000.

COLUMBIA—Board of Commissioners, let contract to George R. Price, \$247,000 for addition to Hand Junior High School.

COLUMBIA—Board of School Commissioners, let contract to George R. Price, \$158,000 for elementary school on Highway No. 1.

COLUMBIA—J. B. Brockman, County Supervisor, requests \$611,000 for county road department in next fiscal year.

COLUMBIA—City let contract to Carper and Perreyclear, Richmond, Va., \$102,112 for water mains.

COLUMBIA—State Highway Department, is spending \$1,000,000 to route traffic through capital city faster and easier.

COLUMBIA—State Highway Commission approved appropriation of \$2,600,000 for highway repairs and purchase of maintenance equipment.

FLORENCE—City sold \$1,155,000 bond issue to Lehman Brothers for water, sewer & fire improvements.

GAFNEY—Gaffney Manufacturing Co., plans installation of \$600,000 air conditioning system for textile plant.

GREENVILLE—Board of Trustees of Greenville General Hospital, let contract to Daniel Construction Co., 429 N. Main, \$91,270, for steam plant and laundry.

GREENVILLE—City has deferred issuance of \$225,000 bond issue for expansion of Greenville Municipal Auditorium.

HENDERSON—Southern Ice Cream Co. received low bid from George W. Kane, Durham, \$98,128, for dairy.

KINGSTREE—Santee Electric Cooperative received low bid from Sumter Builders, Inc., Sumter, \$165,906, for 167 miles of REA lines.

KINGSTREE—Santee Electric Cooperative received REA offer of \$275,000 for additional electric facilities which include 61 miles of distribution line.

KNOXVILLE—City Board of Education received low bid from Daugherty and Waters, \$828,700, for East Knoxville High School.

MEMPHIS—City will sell following bond issues this spring: \$25,000 for parks; \$150,000 for library commission and \$500,000 for fire and police departments.

PARRIS ISLAND—Navy Department, Public Works Office, let contract to Claussen & Webster, Augusta, Ga., \$678,200, for War Memorial Building, Marine Corps Recruit Depot.

PELZER-WILLIAMSTON—Pelzer-Williamston School District, Anderson County, is considering \$750,000 high school.

SPARTANBURG—School for Deaf and Blind let contract to Manor Construction Co., Commerce Avenue, Columbia, \$182,900, for school.

TENNESSEE

General Services Administration, Washington, D. C., approved post offices, etc., at following locations: Lafayette, site and building; Somerville, site and building; Memphis, remodeling post office, courthouse and custom-house, \$770,000.

ASHLAND CITY—Corps of Engineers, Nashville, let contract to T. L. James & Co., Inc., Ruston, La., and Stevens Brothers, and Miller Hutchison Co., Inc., New Orleans, La., \$1,975,268 for new Cheatham Lock.

BRISTOL—Dent and Aydelotte, First National Bank Bldg., Memphis, Architects, have plans completed for hospital, \$500,000.

CHATTANOOGA—Brook Candy Co. received low bid from Lindsey-Davis Co., 401 N. Market St., \$157,887, for factory building.

CLARKSVILLE—City let contracts for water works system improvements: erect complete 500-gal. automatic water tank and lower, Chicago Bridge & Iron Co., 57 Forsyth St., NW, Atlanta, Ga., \$73,850; water line project, E. S. Eatherly, Lebanon, \$79,604.

COOKVILLE—Sellely Co., 409 Fourth Ave. S., Nashville, has contract for men's dormitory, units 1 & 2, at Tennessee Polytechnic Institute, \$476,739.

GALLATIN—Sumner County, Martin R. Curtis, Chmn., plans hospital, \$600,000.

JOHNSONVILLE—Westinghouse Electric Corp., Transformer Division, Sharon, Pa., will construct 4 140,000-Kva. three-phase power transformers for installation at the new plant for Tennessee Valley Authority, \$900,000.

JONESBORO—Washington County Board of Commissioners received low bid from Steadman Construction Co., Kingsport, for Jonesboro High School, \$205,688.

KNOXVILLE—City Board of Education re-

ceived low bid from Fred E. Hicks, \$467,433, for South Knoxville High School.

KNOXVILLE—City plans improvements to Berry Field, \$500,000.

KNOXVILLE—City Board of Education let contract to Daugherty & Waters, \$846,683, for East Knoxville High School.

KNOXVILLE—Bauman & Bauman, 813½ Market, Architects, have been selected to design \$6,000,000 isotopic hospital research center, campus, University of Tennessee.

KNOXVILLE—Housing Authority has been allotted \$1,025,710 for slum clearance and urban redevelopment program.

KNOXVILLE—East Tennessee Crippled Children's Hospital Association let contract to J. M. Dunn & Son, 245 N. Broadway, for hospital; \$356,600.

MEMPHIS—Southern States Co., Everett Estate, let contract to Tri-State Construction Co., 1303 Threlkeld, Slayers Bldg., \$135,000, for roofing plant, 1333 Kansas.

MEMPHIS—City will sell \$1,000,000 bond issue this spring for schools.

MEMPHIS—Hal W. Gilliland, Sr., 3308 Park Ave., plans motel on west side of Hwy. 70; \$1,000,000.

MEMPHIS—City will sell \$1,400,000 bond issue for sewers.

MEMPHIS—Corps of Engineers received low bids from Forcum-James Co., Dyersburg, \$175,240, on Items 1, 2 & 3, and R. B. Tyler Co., 1446 Levering, Louisville, Ky., \$184,564, on Item 1, 2A, 2B, 5 & 6, for slopes and asphalt paving on Presidents Island, Memphis Harbor Project.

MEMPHIS—Corps of Engineers let contract to Taylor-Whites Co., Jackson, Miss., for 3 pile dikes on Mississippi River at Presidents Island, \$105,840.

MEMPHIS—City Park Commission received low bid from C. J. Henry Construction Co., Sumner Ave., \$193,875, for women's building on Fair Grounds.

MEMPHIS—Georgian Woods Dev. plans 15 apartment buildings, \$750,000.

NASHVILLE—City instructed Joseph Hart, Archt., to file application with General Services Administration for advance planning loan of \$131,000 to prepare plans and specifications for underground 200-car parking garage under Memorial Square, \$3,675,000.

NASHVILLE—City has Federal allocation of \$1,861,000 for redevelopment project, State Capitol and construction boulevard and state buildings, \$7,500,000.

NASHVILLE—Board of Education let contract to Thomas Crichlow, \$126,945, for elementary school, Whitesboro.

NASHVILLE—Board of Education let contract to Albert Del Faverio, \$241,920, for Haynes Elementary School, 510 Taylor Lane.

OAK RIDGE—U. S. Atomic Energy Commission announced plans for modification of existing building in area of gaseous diffusion uranium separation plant (K-25), Maxon Construction Co., Dayton, Ohio, making alterations to building and installing equipment; \$2,000,000.

OAK RIDGE—U. S. Atomic Energy Commission let contract to Harrison Construction Co., Maryville, \$149,527, for West Circulator Rd.

OAK RIDGE—University of Tennessee, Knoxville, received low bid from W. A. Catlett Construction Co., Knoxville, \$114,314, for Nutrition Barn and alterations to Scarborough School.

PARIS—Pet Milk Co. plans milk plant, \$75,000.

TEXAS

General Services Administration, Washington, D. C., approved post offices at following locations: Terrell, demolition and new building, \$200,000; Itasca, site and building; Brownsville, Border Station, additional land and building, cost \$625,000.

Secretary of Interior, Washington, D. C., submitted to states of Texas, Oklahoma and New Mexico proposal to build \$84,656,000 dam and reservoir on Canadian River in West Texas.

ALPINE—Bureau of Public Roads, Denver, Colo., let contract to T. C. Cage, 6637 W. Commerce St., San Antonio, \$327,548, for road work, North Entrance, Rio Grande and Santa Elena Prol. Brewster County.

AMARILLO—Potter County plans addition to Potter County Hospital; \$750,000 bond issue approved.

AMARILLO—City plans new terminal building, north end of airport, \$400,000.

AMARILLO—Amarillo Independent School District plans voting upon \$3,000,000 bond issue for school improvements.

AMARILLO—W. F. Reid, 1321 12th St., let contract to M. B. Allen, 1900 W. 7th St., for shopping center, \$185,000.

(Continued on page 46)

GET YOUR COPY
at the pre-publication
cash-with-order
price—Now only
\$2.00 a copy
\$3.00 on bill orders



REGULAR PRICE
after publication
\$3.00 a copy

**Figures Compiled
 County by County
 Practical, valuable
 to any business**

Nearly 200 individual tables in all, containing hundreds of informative, industrial marketing facts not to be found in any other one volume. State-by-State tabulations on:

- Agricultural Products
- Apparel and Finished Fabric Articles
- Chemicals and Allied Products
- Furniture and Finished Lumber Products
- Iron, Steel and their Products
- Petroleum and Coal
- Stone, Clay, Glass Products
- Machinery Manufacturing
- Textile Mill Products
- Transportation Equipment
- Farm Cash Income
- Farms and Acreage
- Citrus Fruits
- Livestock
- Life Insurance Investments
- Federal Tax Revenue
- Construction Contracts
- Railway Mileage and Railroad Freight
- Labor Force
- Banks Resources
- Tax Receipts
- Imports and Exports and many Others

A fact book which any business executive can use to help him plan his company's sales, production, labor, inventory and financial policies.

A "MUST" BOOK for executive planning. Gives you latest (1949) facts and figures you need about markets, production, income and resources by counties throughout **THE SOUTH and SOUTHWEST** with comparative figures for the Nation as a whole.

YOU'LL REFER TO THIS BOOK CONSTANTLY FOR ITS RELIABLE, QUICK TO FIND INFORMATION

- ✓ 1949 figures; not available from any other source for many months to come.
- ✓ Data complete for each of the 16 Southern and Southwestern states—by counties.
- ✓ Employment, Value of Manufactured Products, Agricultural Products, Construction and Minerals Produced — broken down county-by-county, state-by-state.
- ✓ Capital goods and consumer purchases, for each county—a valuable guide for sales executives.
- ✓ All facts and figures clearly indexed for quick reference.
- ✓ Economic summary of the United States, and for each of the 16 Southern States.
- ✓ List of State Officials and Important Commissions.
- ✓ Source book of information to guide the planning of business executives.

BLUE BOOK of Southern Progress

MANUFACTURERS RECORD PUBLISHING COMPANY

Baltimore 3, Maryland

Please send me postage prepaid, copies of your new 1950 edition at your special, pre-publication price of \$2.00 a copy. My check for \$ is enclosed.

NAME
 COMPANY
 ADDRESS
 CITY AND STATE



Southern Construction Projects

TEXAS

(Continued from page 44)

ANDREWS—Andrews Independent School District plans school expansion program; \$400,000 bond issue voted.

ANGLETOWN—Corps of Engineers, Galveston, received low bid from Standard Dredging Corp., 80 Broad St., New York, \$114,248, for dredging Freeport Harbor.

ANSON—City plans City Hospital, \$250,000.

AUSTIN—State plans receiving bids early in July for Public Safety Department Headquarters Building, on Dallas and Fort Worth Highway, \$1,300,000.

AUSTIN—City received low bid from W. K. Jennings Electric Co., 310 W. 10th St., for power wiring for power plant improvements, contract 14, \$228,523.

AUSTIN—City received low bid from Brown & Root, Inc., Brown Bldg., \$68,900, for steam generator units, contract 17.

AUSTIN—Roger S. Hanks has plans in progress for office, 1901 & Congress Ave., \$75,000.

AUSTIN—City let contract to Collins Construction Co., 2621 E. 19th St., \$337,385, for paving 80 blocks of streets.

BANQUETTE—Banquette Independent School District received low bid from Lawless and Alford, P. O. Box 1248, Corpus Christi, \$158,673, for gymnasium and cafeteria.

AUSTIN—State Highway Commission let contracts for projects in following counties:

Midland—Proj. No. F-235(7), 0.969 mi.; Brown & Root, Inc., P. O. Box 3, Houston, \$129,277.

Lamar and Red River—Proj. F-380(5), F-315(6) & FG-315(7), 6.417 mi.; Howards Brothers, Midlandville, W. S. Crawford Co., 5350 Montrose Dr., Dallas, \$229,818.

Young—Proj. S-1352(1) & (2), 12.785 mi.; Cooper & Woodruff, 1203 Dallas National Bank Bldg., Dallas, \$119,787.

Gray—Proj. F1-547(10), 16.924 mi.; Norman L. Larson, 2410 Jarret Ave., Austin, \$33,449.

Armstrong—Proj. S-1402(1), 8.160 mi.; Cooper & Woodruff, 1203 Dallas National Bank Bldg., Dallas, \$58,461.

Brown—Proj. S-274(2), 14.584 mi.; J. W. Perry, 501 Insurance Bldg., San Antonio, \$53,786.

Blanco—Proj. S-1191(1), 7.265 mi.; Schwepco Brothers, 6633 W. Commerce St., San Antonio, \$53,696.

Wood—Proj. S-1471(1), 10.974 mi.; Howard Brothers, Midlandville, and R. B. Butler, Inc., P. O. Box 471, Bryan, \$126,738.

Rockwall—Proj. S-1298(1) & S-1302(1), 6.977 mi.; R. W. McKinney, P. O. Box 190, Nacogdoches, \$115,777.

Cottle—Proj. S-1337(1) & R-146-8-1, 10.379 mi.; Fred Hall & Son, Valley Mills, \$80,621.

Schleicher—Proj. S-1412(1), 7.967 mi.; M. B. Killian & Co., Inc., and Killian-Keller Co., P. O. Box 1981, San Antonio, \$49,433.

Searcy—Proj. S-494(3), 8.124 mi.; Bryan & Hoffman, 421 Scaggs Bldg., Plainview, \$49,980.

San Patricio—Proj. S-1410(1), 11.073 mi.; J. M. Dellinger, Inc., P. O. Box 4227, Corpus Christi, \$80,016.

Stephens—Proj. S-411(2), 5.280 mi.; Fred Bell, 1528 Girard St., Abilene, \$42,883.

Bailey and Lamb—Proj. S-1457(1) & S-473(2) & (3), 15.421 mi.; Bryan & Hoffman, 421 Scaggs Bldg., Plainview, \$89,363.

Childress—Proj. S-1246(1), 10.300 mi.; Bryan & Hoffman, 421 Scaggs Bldg., Plainview, \$69,350.

Camerton and Willacy—Proj. S-393(2) & S-393(3), S-404(2) & S-485(1), 21.723 mi.; E. B. Darby & Co., P. O. Box 467, Pharr, \$179,159.

Fisher—Proj. S-322(2), 7.453 mi.; Strain & Brown, Inc., P. O. Box 1057, San Angelo, \$120,319.

Wilson—Proj. No. F-440(15), 3.562 mi.; Dean Word Co., P. O. Box 31, New Braunfels, \$127,928.

Fal Pinto—Proj. No. S-288(4), 6.484 mi.; Fred Hall & Son, Valley Mills, \$45,848.

Dallam—Proj. No. V-730-1-4, 7.040 mi.; Ernest Loyd, P. O. Box 1120, Fort Worth, \$62,846.

Wilbarger—Proj. No. C-43-5-25, 9.206 mi.; Harrison Engineering & Construction Co., P. O. Box 250, Texas City, \$128,113.

Camp—Proj. No. F-333(3), 2.403 mi.; H. R. Henderson & Co., P. O. Drawer 314, Marshall, and N. B. Farquhar, P. O. Box 256, Ennis, \$210,738.

Matagorda and Brazoria—Proj. No. S-1296(1) & (2), 6.366 mi.; Heidenfels Brothers, Rockport, \$100,557.

Ector—Proj. No. SU-470(1), 9.933 mi.; Collins Construction Co., P. O. Box 1192, Austin, \$84,142.

Ellis—Proj. No. R-596-2-1, 3.003 mi.; C. H. Harrison, P. O. Box 185, Waco, \$43,749.

Comal and Guadalupe—Proj. No. S-1398(1) & S-1398(2), 5.815 mi.; Holland Page, P. O.

Box 1181, Austin, \$36,894.

Taylor—Proj. No. S-1314(1), 5.044 mi.; Ernest Loyd, P. O. Box 1120, Fort Worth, \$41,584.

Collingsworth—Proj. No. S-1247(1), 7.972 mi.; Cooper & Woodruff, 1203 Dallas National Bank Bldg., Dallas, \$78,435.

Montague—Proj. No. 46(2), 7.464 mi.; Callan Construction Co., Waco, \$75,283.

Shackelford—Proj. No. S-1066(2) & (3), 5.274 mi.; Harry Campbell, 2654 Berry St., Fort Worth, \$44,705.

Wharton—Proj. No. S-1386(1) & S-1387(1), 26.382 mi.; Pioneer Trucking & Construction Co., Grape Land, \$153,680.

Mitchell—Proj. No. S-1312(1), 5.147 mi.; Ernest Loyd, P. O. Box 1120, Fort Worth, \$43,331.

McClulloch—Proj. S-618(2), 8.968 mi.; M. E. Ruby, San Marcos, \$46,308.

Harrison—Proj. S-1196(1), 13.419 mi.; Thomas & Ratliff, Rogers, \$104,120.

AUSTIN—State Highway Department let contracts for projects in following counties:

Camerton—Proj. No. C-630-2-2, 0.602 mi. road work; Dadds & Wedegartner, Inc., San Benito, \$42,799.

Jack—Proj. S-1350(1), 3.767 mi.; John F. Buckner & Sons, P. O. Box 76, Cleburne, \$51,351.

Kieberg—Proj. S-1421(1) & S-1420(1) & S-370(2), 7.435 mi.; J. M. Dellinger, Inc., P. O. Box 4227, Corpus Christi, \$50,672.

State Highway Commission, Austin, let contract for project in following county:

Hill—Proj. S-1093(1), 0.763 mi.; Fred Hall & Son, Valley Mills, \$89,543.

BAY CITY—City Council let contract to Laco, Inc., Port Arthur, for water and sewer projects, \$604,900.

BEAUMONT—Gulf States Utilities Co. plans offering \$13,000,000 in bonds in latter part of May, proceeds to be used for financing part of sewer construction program.

BEAUMONT—Corps of Engineers, Galveston, let contract to McWilliams Dredging Co., 960 St. Charles St., New Orleans, La., \$339,138, for dredging approach channel to Ft. Arthur Turning Basin in Jefferson County.

BELTON—Corps of Engineers, Galveston, received low bid from Winston Brothers, Inc., Azusa, Calif., \$1,880,571, for outlet works and pressure bridge for Belton Dam and Reservoir project.

BIG SPRING—Howard County Junior College plans administration building, auditorium and gymnasium, \$500,000.

BORGER—First Christian Church plans church and educational building, \$150,000.

BRACKETTVILLE—City plans sewer collection system, \$200,000 bond issue voted.

BRIDGEPORT—Bridgeport Independent School District plans school; \$150,000 bond issue voted.

BROWNSVILLE—El Rancho Grande Hotel, San Antonio, plans hotel, Hwy. 77 and Boca Chico Blvd., \$650,000.

BROWNSVILLE—Brownsville Independent School District plans \$750,000 bond issue for school building program.

BROWNSVILLE—Mersey Hospital let contract to Commercial Construction Co., 341 N. Comal St., San Antonio, \$410,787, for new wing.

BRYAN—City received low bid from Condenser Service Co., Houston, \$148,517, for steam generating unit for power plant.

BRYAN—Oakwood Apartments, Inc., College Station, plans apartment, \$150,000.

BRYAN—By Bryan Public Schools received low bid from R. Van Antwerp, Inc., P. O. Box 471, for gymnasium at Lamar School, \$111,718.

CANTON—Canton Independent School District let contract to O. T. Chapman, Hutchins, \$141,081, for elementary school and gymnasium.

CANYON—Board of Regents, State Teachers Colleges of Texas, let contract to Neill Singleton, Dallas, \$100,000, for physical education building.

CARRIZO SPRINGS—Carrizo Springs Independent School District received low bid from Kuntz and Trenkelbach, 3805 S. Gevers St., San Antonio, \$166,150, for elementary school, Church St.

COLUMBUS—Columbus Independent School District let contract to Walter Drommer, Giddings, \$168,368, for two elementary schools.

COMMERCE—State Teachers Colleges of Texas let contract to H. G. Dyer, Lone Star Gas Bldg., Dallas, \$512,000, for administration and industrial educational building.

CORPUS CHRISTI—H. G. & M. W. Marslett let contract to Heidenfels Brothers, P. O. Box 1917, \$80,000, for sewers, storm sewers, water lines and paving in new sub-division.

CORPUS CHRISTI—Corpus Christi Independent School District plans additions to

Lamar School, \$100,000.

CORPUS CHRISTI—City and Nueces County have Federal grant of \$750,000 for expansion program of Memorial Hospital, \$1,500,000.

DALLAS—Skillman Street Church of Christ received low bid from Meers Construction Co., Great National Life Bldg., \$438,888, for church.

DALLAS—Lone Star Steel Co. plans cast-iron pressure pipe foundry, \$1,000,000.

DALLAS—Navy Department, Public Works Office, let contract to Texas Bitulithic Co., 111 Commerce St., \$289,215, for rehabilitation of runway.

DALLAS—Highlands Park Independent School District let contract to Roland Construction Co., Inc., 9406 Waterview Road, for addition to Armstrong Elementary School; \$71,238.

DALLAS—Taber's, Inc., 1510 Main St., let contract to Gaynor Construction Co., Love Field Dr., for alterations to store, \$100,000.

DALLAS—International Harvester Co., 180 N. Michigan Ave., Chicago, Ill., let contract to O'Rourke Construction Co., 1001 W. Commerce St., for one-story parts depot, Industrial District, \$1,000,000.

DALLAS—City will receive bids for underpass to carry Harwood under Santa Fe Railway and new tracks for T&E to clear south section of Central Expressway, \$400,000.

DALLAS—Rosemont Christian Church Congregation received low bid from Carpenter Brothers, 1335 Plowman St., \$88,000, for church.

DALLAS—Dallas County authorized \$22,500,000 bond issue for road improvements.

DALLAS—Louis J. Hexter & Sam Lobello let contract to Satchel & Stevo, Wholesale Merchants Bldg., \$340,964, for Preston Center.

DALLAS-FORT WORTH—Corps of Engineers, Galveston, received low bid from T. J. James Co., Inc., and Guillam Brothers, Ruston, La., \$1,835,178, for completion of Grapevine Dam.

DECATUR—Wise Electric Cooperative, Inc., let contract to Iry Construction Co., 815 S. State St., Jackson, Miss., at \$204,340, for 239 miles of REA lines in Jack, Montague and Wise counties.

DEER PARK—Deer Park Independent School District let contract to Farnsworth and Chambers Co., Inc., P. O. Box 74, Houston, \$392,999, for additions to school.

DONNA—Donna Independent School District let contract to A. A. Bulce, P. O. Box 422, Elise, \$79,248, for school improvements; at East Donna School and Donna Junior High School.

EL PASO—El Paso Independent School District received low bid from C. H. Leavell & Co., 1900 Wyomling St., \$331,306, for Hillside Elementary School.

EL PASO—Millner Hotel plan remodeling of first floor, into office building, Stanton and Mills Sts., \$500,000.

FANNETT—Fannett Independent School District plans additional school facilities, \$150,000.

FORT WORTH—Fort Worth Baseball Club let Contract No. 1 to General Steel Co., 3001 W. Pofford St., \$252,900, for baseball stadium; Foundation Drilling Co., 1101 Currie St., for Contract No. 2, \$435,000; American Seating Co., 2830 Canton St., for Contract No. 3.

FORT WORTH—City let contract to Pittsburgh Des Moines Steel Co., Praetorian Bldg., Dallas, \$125,250, for elevated water tank, Contract No. 1.

FORT WORTH—T. E. Mercer Distributing Co. let contract to Childs Construction Co., 1718 Jones, \$85,000, for warehouse.

FORT WORTH—J. E. Foster & Son received low bid from Paschall-Sanders, 3602 Linden St., \$116,185, for theatre in Westcliff Activities Center.

FORT WORTH—Travis Avenue Baptist Church plans church and educational building, \$250,000.

FORT WORTH—City received low bid from Joe Bond Construction Co., P. O. Box 1158, Austin, \$107,240, for sanitary sewers, Glen Garden area.

FORT WORTH—Westchester Apartments plans apartment building, \$3,000,000.

GAINESVILLE—Housing Authority have approval for 100-unit low-cost housing project, \$750,000.

GREENVILLE—Greenville Independent School District let contract to Milo J. Choate, 1412 W. 5th St., Tyler, \$496,280, for high school and gymnasium.

HOUSTON—Corps of Engineers let contract to Standard Dredging Corp., 80 Broad St., New York, \$141,379, for dredging Texas City channel.

GALVESTON—Galveston Wharves Board of Directors plan \$1,500,000 improvement program to include rehabilitation of wharf facilities.

GALVESTON—Galveston Wharves, Inc., 2402 Mechanic St., let contract to Tellepsen Construction Co., 1710 Telephone Road, Houston, \$705,016, for 5-story plant to be leased to Lipton's Tea Co.

GALVESTON—Galveston County Water Control & Improvement District No. 11 let contract to Gerald Mora, 312 Sabine St., Houston, \$252,770, for waterworks system and sanitary sewer improvements.

GARLAND—Garland Independent School District let contract to Sachs and Stevens, Wholesale Merchants Bldg., Dallas, \$274,349, for Junior High School.

GOLIAD—Goliad Independent School District plans gymnasium and elementary school, \$200,000 bond issue voted.

GREENVILLE—Greenville Independent School District received low bid from Milo J. Choate, 1412 W. 5th St., Tyler, \$510,650, for high school and gymnasium.

GROESBEK—First Baptist Church Congregation received low bid from Browder & Ray, \$93,883, for church.

HARLINGEN—Housing Authority received \$70,000 loan for 200-unit low-cost housing project.

HARLINGEN—City approved \$670,000 bond issue for sewer improvements.

HARLINGEN—City approved \$110,000 bond issue for drainage improvements.

HARLINGEN—City approved \$180,000 bond issue for street improvements.

HARLINGEN—City approved following bond issues: \$75,000 for park improvements; \$125,000 for city hall and \$30,000 for public library.

HARLINGEN—Texas Reserve Life Insurance Co. plans office building, Jackson & 3rd Sts., \$150,000.

HASKELL—Haskell Independent School District plans elementary school and gymnasium, \$250,000.

HEMPSTEAD—Waller County let contract to Martin B. Semands, P. O. Box 802, Conroe, \$142,568, for one-story County Hospital.

HENDERSON—Henderson Independent School District plans additions to school, \$500,000.

HOUSTON—City let contract to Gulf Bitulithic Co., 2820 Foik, \$148,391, for paving Montrose Blvd.

HOUSTON—City let contract to Russ Mitchell, Inc., 5304 Old Spanish Trail, \$115,256, for paving Center St.

HOUSTON—Houston Independent School District let contract to Linbeck Construction Co., P. O. Box 13007, \$661,790, for Charles Deady High School.

HOUSTON—Houston Independent School District received low bid from Williams Construction Co., 3399 W. Lamar, \$267,389, for Curry Road Elementary School.

HOUSTON—Houston Independent School District let contract to Van Cleve Construction Co., P. O. Box 12152, \$184,987, for South Park Elementary School.

HOUSTON—Houston Independent School District let contract to LeBlanc, Inc., P. O. Box 351, \$195,204, for converting structural plant into school.

HOUSTON—Harris County Fresh Water District No. 20 let contract to Claude K. Williams, 1917 Westheimer Ave., \$119,151, for two-story fire station.

HOUSTON—Harris County Flood Control & Improvement District let contract to McGinnis Brothers, P. O. Box 2475, \$403,390, for excavating 2,524,000 cu. yds. from Greens Bayou.

HOUSTON—Harris County approved issuance of \$1,500,000 bond issue for police station and city jail.

HOUSTON—Harris County approved \$6,000,000 bond issue for urgently needed road projects.

HOUSTON—Harris County Commissioners approved issuance of \$945,000 bond issue, county's share for new City-County Hospital, \$3,500,000.

HOUSTON—Gulf Building Corp. plans building addition, \$2,500,000.

HOUSTON—Foremost Dairies, Inc., 1705 Washington Ave., let contract to H. K. Ferguson Co., M&M Bldg., \$38,400, for dairy building.

HOUSTON—Commissioners Court received low bid from McGinnis Brothers, \$403,309, for 2,524,000 cu. yds. excavation work, Greens Bayou.

HOUSTON—Southwestern Theatre Equipment Co. let contract to O'Rourke Construction Co., 4011 Koehler St., \$74,866, for two-story equipment building.

HOUSTON—F. N. Jenkins, 2532 Oak Cliff St., let contract to George W. Batten Co., 1620 Missouri St., for store, \$125,000.

HOUSTON—Southwest Bell Telephone Co. let contract to W. S. Bellows, 718 N. Everton St., for exchange telephone building, \$2,355,000.

(Continued on page 48)

Gorman-Rupp's Handle Low Water Crisis at Rye Lake



When Rye Lake, Westchester County, New York, receded, cutting off three villages from water supply, the crisis was met by putting dependable Gorman-Rupp pumps on the job.

240-M
10 inch



THE WORLD'S MOST COMPLETE LINE
... OF SELF-PRIMING
CENTRIFUGAL PUMPS

QUICKEST PRIMING: The 40 M. for example, primes at 15 foot Suction Lift in 40 seconds.

HIGHEST PRIMING: High suction lifts are easy for Gorman-Rupp Pumps.

FASTEST PUMPING: They pump more water per gallon of fuel than any other comparable pump.

DEPENDABLE: The most simple pump built — will not clog. Trouble-free, requiring a minimum of maintenance.

GUARANTEED IN PLAIN LANGUAGE by Manufacturer and Distributor. Ask for a copy of our Guarantee.

Write for the new Contractors' Bulletin 8-CP-11.

GORMAN-RUPP DISTRIBUTORS

ROAD MATERIAL AND EQUIP. CO., INC.

Jackson, Mississippi

LITTLE ROCK ROAD MACHINERY CO.

Little Rock, Ark.

FLORIDA EQUIPMENT COMPANY

Jacksonville, Miami and Tampa, Fla.

W. C. CAYE & CO., Atlanta, Ga.

BRANDEIS MACHINERY & SUPPLY CO.

Louisville, Ky. and Evansville, Ind.

SOUTHERN STATES EQUIPMENT CO.

New Orleans, La.

DALRYMPLE EQUIPMENT COMPANY

Amory, Mississippi

STATE MACHINERY & SUPPLY CO.

West Columbia, S. C.

WILSON-WEESNER-WILKINSON CO.

Nashville & Knoxville, Tennessee

RISH EQUIPMENT COMPANY

Charleston, Clarksburg and Bluefield,

W. Va., Richmond and Roanoke, Va.,

and Cincinnati, Ohio

H. B. OWSELEY & SON

Charlotte and Raleigh, N. C.

D. C. ELPHINSTONE, INC.

Baltimore, Md. and Washington, D. C.

TAG EQUIP. CO., Chattanooga, Tenn.

INGERSOLL CORP., Shreveport, La.

THE GORMAN-RUPP COMPANY

MANSFIELD, OHIO

Southern Construction Projects

TEXAS

(Continued from page 47)

HOUSTON—Transcontinental Building Corp. plans pipe line building, Travis & Elgin Sts., \$1,000,000.

HOUSTON—Sunset Homes, Inc., will construct 108 residences, \$842,400.

HOUSTON—L. W. Prokop, 3711 Glen Haven Blvd., will construct 150 residences, \$1,125,000.

HOUSTON—L. P. McKinley will construct apartment, \$500,000.

HOUSTON—Methodist Hospital, 3020 San Jacinto St., and St. Luke's Episcopal Hospital, 6263 Main St., plan one and two-story laundry and plant facilities for heating and air-conditioning to serve both hospitals, \$700,000.

HOUSTON—Rice Institute let contract to

J. M. Odom, P. O. Box 774, Austin, for gymnasium and field house, \$1,000,000.

HOUSTON—Corps of Engineers, Galveston, let contract to Atlantic Gulf & Pacific Co., 15 Park Row, New York, N. Y., \$679,503, for dredging Houston Ship channel.

HOUSTON—East End Development Co. will construct 25 residences, \$212,500.

HOUSTON—Park Memorial Baptist Church plans church and educational building, \$350,000.

HOUSTON—Young Women's Christian Association plans YWCA for Colored, \$150,000.

HUNTSVILLE—Sam Houston State Teachers College received low bid from R. B. Butler, Inc., P. O. Box 471, Bryan, \$163,370, for student union building.

JOURDANTON—Atascosa County let contract to Schwope Brothers, 6633 W. Commerce

St., San Antonio, \$104,075, for 17 mi. paved roads, Atascosa County.

KILGORE—St. Paul's Episcopal Church will call for bids soon for church, \$100,000.

KINGSVILLE—Texas College of Arts & Industries plans engineering building, \$125,000, and stadium at \$200,000.

KINGSVILLE—Texas College of Arts & Industries let contract to Hill and Combs, 321 Melrose Pl., San Antonio, \$455,190, for administration and library building.

LAMARQUE—Galveston County, Galveston, let contract to Texas Gulf Construction Co., 2008 S. Wayside Drive, Houston, \$846,000, for Galveston County Hospital buildings.

LEVELLAND—Consolidated Independent School District sold \$650,000 bond issue to Columbian Securities Corp. & Associates for school improvements.

LEVELLAND—Levelland Independent School District let contract to James T. Taylor & Son, 117 Roberts Cut-Off Road, Fort Worth, \$200,504, for gymnasium and shop building.

LITTLEFIELD—Littlefield Independent School District received low bid from Gilatrap Construction Co., P. O. Box 283, Lubbock, \$321,347, for high school facilities.

LIVINGSTON—Polk County let contract to Temple and Associates, P. O. Box 1021, Lufkin, \$243,000, for hospitals at Livingston and Corrigan.

LUBBOCK—City let contract to Wyche and Bruce Construction Co., P. O. Box 639, Grapevine, for sewage disposal plant additions, Division No. 2, \$225,050.

LUBBOCK—City let contract to R. B. Hodgson, 1005½ 13th St., \$238,755, for waterworks improvements.

LUBBOCK—Davis & Humphrey, 2303 Ave. H, let contract to Tidmore Construction Co., Park Pl., for Piggy Wiggly Supermarket, \$65,000.

LUBBOCK—Lubbock Independent School District let contract to Haynes and Soash, 509 Avenue N., \$108,860, for school for negroes.

LUBBOCK—Lubbock Memorial Hospital plans 8-story and basement hospital and nurses' home, \$3,000,000.

LUFKIN—Lufkin Independent School District let contract to Arthur Temple, Jr., & Associates, 118 N. Cotton Square, \$221,455, for Dunbar Junior-Senior High School.

MARSHALL—State Highway Commission, Austin, let contract to Thomas & Ratliff A. Rogers, for 13.41 mi. grad., struc., flex. base and seal, Hallsville to Harleton, struc. include 6-span conc. bridge over Little Cypress, \$104,120.

MART—Limestone County Electric Cooperative received REA loan of \$100,000 for headquarters facilities.

MCKINNEY—Corps of Engineers, Galveston, let contract to Wester-Burnett Construction Co., P. O. Box 111, Denison, \$144,052, for reservoir clearing, Part I, Lavon Dam and Reservoir.

MIDLAND—Midland Independent School District let contract to Houston Hill, P. O. Box 1466, \$334,700, for Northeast Elementary School and Carver High School.

MISSION—Housing Authority have approved loan of \$32,000 for 80-unit low-cost housing project, \$600,000.

MERCEDES—City approved \$800,000 bond issue for water and sewer systems improvements.

MULESHOE—Bailey County Electric Cooperative Association received REA loan of \$165,000 for 45 miles of distribution lines.

NEW BRAUNFELS—St. Peter & Paul Parish let contract to Sippel and Adams, P. O. Box 174, \$79,275, for parish hall and cafeteria.

NIXON—City approved \$125,000 bond issue for sewer improvements.

NIXON—City approved \$265,000 bond issue for waterworks system improvements.

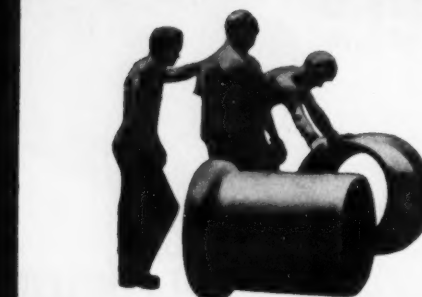
NIXON—City approved \$90,000 bond issue for gas system improvements.

NORTH CAMP HOOD—District Engineer, Galveston District, Galveston, received apparent low bid from B&O Construction Co., Galveston, \$121,156, on Lot 1, and \$157,850 on Lot No. 1 base bid plus additive Lots 2 through 15, for augmentation of training facilities, Texas National Guard.

NOVICE—Novice Independent School District received low bid from Owens and Michmore, San Angelo, \$91,800, for Novice School.

NUECES, KLEBERG AND KENNEDY COUNTIES—Corps of Engineers, Galveston, received low bid from Bauer-Smith Dressing Co., Port Lavaca, \$122,114, for dredging Gulf Intracoastal waterway in Laguna Madre.

ORANGE—Corps of Engineers, Galveston, received low bid from Jahneke Service, Inc., 814 Howard Ave., New Orleans, La., \$465,762, for dredging Cow Bayou Channel of Sabine-Neches Waterway.



1 The **ONLY** pipe guaranteed against the ravages of sanitary sewage is...

CLAY PIPE

2 For **BETTER** clay pipe...

Specify **DICKEY**
vitrified salt-glazed clay pipe



W. S. DICKEY CLAY MFG. CO.

Kansas City 6, Mo., Birmingham 1, Ala.

Chattanooga 2, Tenn., Texarkana, Tex. - - Ark.

San Antonio 6, Tex.

If it's made of clay it's GOOD...

If it's made by Dickey it's BETTER

ORANGE—Tom Landrum & Edgar Odum, plan store, \$100,000.

ORANGE—Housing Authority has authorized loan of \$70,000 for 200-unit low-cost housing project.

PASADENA—Pasadena School District let contract to Fisher Construction Co., 4100 Day St., Houston, \$242,000, for school improvements.

PASADENA—City approved issuance of \$2,367,000 bond issue for street paving, water, sewer, parks and police department improvements.

PASADENA—Sam Hoover, Mayor and Clyde Gary, Street Commr., approved plans for paving Thomas and Jackson Sts., \$175,000.

PLEASANTON—City plans water extension, sewer collection and disposal system; \$210,000 bond issue voted.

PORT ARANSAS—Corps of Engineers, Galveston, let contract to D. M. Pleton Co., Inc., Adams Bldg., Port Arthur, \$438,214, for repairs to north and south jetties.

PORT ARTHUR—St. James Catholic Church plans church rectory, \$80,000.

PORT ARTHUR—Adams Building let contract to Charles G. Heyne & Co., 202 Rothwell St., Houston, for air-conditioning of building, \$150,000.

PRAIRIE VIEW—A&M College plans plant and animal building, \$300,000.

ROANOKE—Street Commr., Northwest Independent School District let contract to N. O. Finch, 412 S. Bagley, Dallas, \$182,231, for Northwest High School.

ROBERT LEE—Upper Colorado River Authority let contract to J. W. Roberson & Son Construction Co., Springtown, \$62,727, for reservoir dam on Mountain Creek.

ROBSTOWN—Robstown Farmers Storage Corp. let contract to H. K. Ferguson Construction Co., M&M Bldg., Houston, at approximately \$250,000, for grain storage silo.

ROBY—Midwest Electric Cooperative received REA loan of \$125,000 for 50 miles of distribution line.

ROSEBUD—Rosebud Methodist Church let contract to E. B. Sneed Construction Co., P. O. Box 777, Austin, \$69,380, for church.

SAN ANTONIO—City let contract to H. B. Zachry Co., P. O. Box 2570, for sewage plant improvements, Section No. 11, \$249,900.

SAN ANTONIO—City let contract to H. B. Zachry Co., P. O. Box 2570, for sewage plant improvements, Section No. 111, \$857,280.

SAN ANTONIO—Hl-Park Drive-In, Inc., let contract to W. A. Sonnen, 1331 Highland Blvd., for drive-in theatre, \$85,000.

SAN ANTONIO—James W. Knight, Street Commr., began preliminary planning for new 5th St. bridge, funds to be made available through \$3,500,000 street improvement bond issue.

SAN ANTONIO—Seabey Fireproof Storage Co. let contract to E. H. Conrath, 150 Simpson St., San Antonio, \$152,721, for first storage unit of the new Zone one-story building, Alamo Field, which adjoins the Municipal Airport.

SAN ANTONIO—San Fernando Cathedral Parish received low bid from Victor Prassel Construction Co., Inc., P. O. Box 526, \$199,807, for gymnasium.

SAN ANTONIO—City Council sold \$3,850,000 bond issue to Goldman, Sachs Co., New York, for expressway and bridge.

SAN ANTONIO—William Cameron & Co., 126 Crosby St., let contract to J. B. Martin, P. O. Box 37, Grayson St. Station, \$254,323, for office and shop building.

SAN ANTONIO—St. Ann's Church let contract to Emmett T. Jackson & Son, 216 Insurance Bldg., \$211,000, for school, Fredericksburg Rd. & West French Place.

SAN AUGUSTINE—Deep East Texas Electric Cooperative received REA loan of \$370,000 for completion of headquarters facilities, system improvements, and construction of 215 miles of distribution lines.

SAN ISIDRO—San Isidro Independent School District let contract to W. D. Ferguson & Son, Brownville, \$348,842, for school improvements.

SAN MARCOS—First Methodist Church Congregation plans educational building, \$55,000.

SEGUIN—Texas Lutheran College plans dormitories, student union building and gymnasium, \$500,000.

SNYDER—First Baptist Church plans remodeling educational building and construction of new church, \$150,000.

SNYDER—City let contract to Wilkes, Dake & Steed, Tyler, \$370,370, for disposal plant and collection system.

SONORA—Lillian M. Hudspeth Memorial Hospital let contract to Warner Construction Co., Halecombe-Blanton Bldg., San Angelo, \$248,672, for Memorial Hospital.

STANTON—Can Rock Electric Cooperative received REA loan of \$435,000 for 394 miles of distribution lines.

STERLING CITY—Sterling County plans one-story hospital, \$150,000.

TAFT—William C. Wood, 422 N. Lower Broadway, Corpus Christi, Archt., for pro-

(Continued on page 50)

Built-in STAMINA cuts "DOWN-TIME"



Examine the main machinery and you'll understand why. In this clean-cut design, the fewest possible shafts are required to transmit power from engine to dipper. Important bearings—including those in the drum—are anti-friction type. Large drums increase output and minimize cable wear. Permanently aligned shafts prevent chattering and grabbing of clutches. Machinery base, truck and front end are extra-rugged. These are some of the reasons why LIMA machines provide top performance with minimum down-time.

LIMA EQUIPMENT SOLD AND SERVICED BY:

Our Dallas Office: 1304 McKinney Ave., Dallas 2, Texas

Our Memphis Office: 79 McCall Street, Memphis, Tennessee

Sales Agents:

Albuquerque, N. Mex., Contractors Equipment & Supply Co., Springer Bldg.
Baltimore, Md., John C. Louis Co., Inc., 511 West Platt Street
Baton Rouge, La., General Equipment Inc., 435 Richland Avenue
Birmingham 6, Ala., G. C. Phillips Tractor Co., 4419 First Ave. North
Clarksburg, W. Va., West Virginia Mine Supply Co., Box 872
El Paso, Tex., Contractors Equipment & Supply Co., 1420 Myrtle Street
Fort Smith, Ark., R. A. Young & Son, Inc., 301 South 10th Street
Houston 1, Tex., McCall Tractor & Equipment Co., 3714 Navigation Blvd.
Kansas City 8, Mo., The Buchanan Co., 1710 Grand Avenue
Knoxville 1, Tenn., Martin Machinery & Supply Co., 4100 Chapman Highway
Lexington, Ky., Sheppard Equipment Co., Inc., 525 Corral St. at Midland
Louisville 8, Ky., Emmett C. Watson Co., 310 East Brandeis Street
Memphis 5, Tenn., Priestner Machinery Co., 249 South 3rd Street
Nashville, Tenn., Martin Machinery & Supply Co., 830 Eighth Ave. South
North Little Rock, Ark., R. A. Young & Son, Inc., 900 West Second Street
Palatka, Fla., McLean Machinery Co., 220 North Seventh Street
Roanoke, Va., J. W. Burrell, 1701 Shenandoah Avenue N. W.
San Antonio 6, Tex., Acme Iron Works, Culebra Ave. at Expressway N. W.
Savannah, Ga., Morgan's, Inc., 111 West Broad Street
Statesville, N. C., Interstate Equipment Co., West Bldg.
St. Louis 10, Mo., E. F. Marsh Co., 4030 Chouteau Avenue
Tulsa 3, Okla., Tulsa Equipment Co., 418 E. 2nd Street
Tyler, Tex., D. M. McClure Equipment Co., Inc., 220 North Fenton Street
Waco, Tex., Richards Equipment Co., 910 Franklin Street
West Columbia, S. C., State Machinery & Supply Co., 1005 Meeting Street

Lima Shovel and Crane Division

LIMA, OHIO

OTHER DIVISIONS: Lima Locomotive Works Division, Lima Tool Works Co., Youngs, Corbin, Hamilton Co.



Southern Construction Projects

TEXAS

(Continued from page 49)

posed hospital being sponsored by Kiwanis Club, plan to incorporate for \$75,000.

TEXAS CITY—Hotel Construction Co. plans hotel, \$1,000,000.

TEXAS CITY—Hotel Construction Co. plans Texas City Hotel, \$900,000.

THROCKMORTON—Throckmorton County received low bid from Seymour Lumber & Construction Co., Seymour, \$78,500, for County Memorial Hospital.

TROUP—City plans water and sewer system improvements, \$129,000.

TYLER—City plans voting on \$200,000 bond issue for street improvements.

TYLER—City plans voting on \$1,000,000 bond issue for water and sewer improvements.

VICTORIA—Palestine Baptist Church, received low bid from Urban Construction Co.,

706 S. Wheeler St., \$84,020, for one-story and full-basement church.

WACO—First Presbyterian Church Congregation let contract to Smith Building Co., Inc., P. O. Box 796, \$106,440, for additions and alterations to educational bldg.

WACO—City, received low bid from Brooks and Gardner, 1208 W. 8th St., Amarillo, \$143,644 for water improvements.

WACO—McLennan County, let contract to Austin Bridge Co., P. O. Box 1590, Dallas, \$62,000, for repairs to Brazos River Bridge.

WAXAHATCHIE—City, received low bid from W. G. Cullum & Co., Great National Life Bldg., Dallas, \$389,900 for water system additions, contract no. 1.

WHITEWRIGHT—Whitewright Independent School District, plans school buildings, \$175,000.

WHITNEY—Corps of engineers, received low bid from Valentine & Littleton, 1523 Hol-

den Ave., Newport, Ark., \$79,600, for reservoir clearing, Whitney Dam and reservoir.

WOKALUM—Cole Theatres, Inc., Rosenberg, plans drive-in theatre, \$100,000.

YSLITA—Yslita High School District, plans school building program, \$1,000,000, bond issue voted.

VIRGINIA

General Services Administration, Washington, D. C., approved post offices, etc., at following locations: Crewe, site and building; Staunton, additional land, extension and remodeling, \$465,000; Halifax, site and building.

W. A. Rinehart, Charlottesville, received low bid from John N. Ross, Charlottesville, \$148,700, for residence.

ARLINGTON—Board of Education let contract to Wise Contracting Co., Inc., 8th & Grace Sts., Richmond, for Stratford Junior High School, \$1,452,721.

CHARLOTTESVILLE—Albemarle Farmers, Inc., Preston Ave., and 9th St., let contract to Edward Van Laer, Inc., at \$63,885, for garage.

CHARLOTTESVILLE—Board of Education received low bid from John W. Daniel & Co., Danville, \$732,850 for joint negro high school.

DANVILLE—Department of Highways, Richmond, received low bid from Clyde R. Royals, Hampton, \$133,830, for proj. 1771-04-05, 0.473 mi. reinf. cem. conc. pvt. & Sou. R. R. underpass.

FORT BELVOIR—Mills & McGraw, Riggs National Bank Bldg., Washington, D. C., are sponsors of 350-unit housing project, \$3,500,000.

FREDERICKSBURG—Mary Washington College of the University of Virginia, let contract to R. H. Wattinger, Box 484, Richmond, \$231,000 for infirmary building.

HAMPDEN-SYDNEY—Hampden-Sydney College received low bid from Taylor Manufacturing Co., Farmville, \$145,000 for auditorium building and alterations to administration building.

HAMPTON—Memorial Baptist Church received low bid from States Construction Co., Newport News, \$133,077, for church alterations and additions.

HANOVER COUNTY—Peaks Industrial School let contract to Thornton Construction Co., 205 E. Canal St., Richmond, \$271,382 for school and vocational training building.

HANOVER COUNTY—Hanover Industrial School let contract to Taylor Manufacturing Co., Farmville, \$99,638 for Martha Washington cottage.

HARRISONBURG—J. S. Denton & Sons, let contract to Berry Lumber & Supply Co., Harrisonburg, \$71,771 for warehouse.

HIGHLAND SPRINGS—New Bridge Baptist Church let contract to W. L. Ragland & Son, Richmond, \$81,488, for educational annex.

HILTON VILLAGE—Hilton Village Methodist Church, let contract to Harwood Construction Co., Newport News, \$71,000.

HOPEWELL—Board of Education let contract to Thornton Construction Co., 205 E. Canal, Richmond, \$169,882 for alterations and additions to Dupont Elementary School.

LEXINGTON—Virginia Military Institute let contract to W. W. Coffey & Son, \$92,293 for residences.

MANASSAS—Prince William County School Board received low bid from Blackwell Engineering Co., Warrenton, \$159,900 for Washington-Reid Elementary School.

MARTINSVILLE—Board of Education let contract to Stanley H. Clark, \$67,916 for vocational shop building for Martinsville High School.

NEWPORT NEWS—Board of Education received low bid from Carter-Hassel Contracting Co., Norfolk, \$249,910 for alterations and additions to Huntington High School.

NORFOLK—The Seaboard Airline Railroad Co., placed orders for 26 Diesel locomotives, \$3,600,000.

NORFOLK—State Highway Department, Richmond, received low bid from Ames & Webb, Inc., \$278,216, for 1.65 mi., 4-lane highway in Virginia Beach Blvd. project.

NORFOLK—Division Engineer, Philadelphia, Pa., received low bid from All State Decorating Co., Chicago, Ill., \$17,212, for interior painting, mechanical and miscellaneous repairs U. S. Marine Hospital.

NORFOLK—Elizabeth River tunnel commission, gave signal to go ahead with construction of \$23,000,000 bridge-tunnel link between Norfolk and Portsmouth; general contractors, Tidewater Construction Corp., Norfolk and Merritt, Chapman & Scott, New York \$16,263,000.

RICHMOND—Department of Highways, (Continued on page 52)

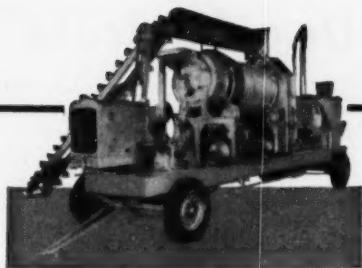
Wake up, ROADBUILDERS! it's spring!

Yes! Arise and shine, for you'll find those cost-cutting, high-production, labor saving Road Builders Batching Plants you have dreamed about all winter—are here! Butler engineers have made them real.

Fast acting, highly accurate weighing batchers . . . jam-proof, wear-resistant gates—as quick in reaction as a jet plane pilot . . . Large capacity bulk cement plants that will "ride you over." . . . In short, for the biggest, most successful road building season you've ever had, see BUTLER BIN.

BUTLER BIN COMPANY
WAUKESHA, WISCONSIN

Here's the Bulletin you need. Shows the Complete line of BUTLER ROAD BUILDERS PLANTS—and all those important BUTLER features. Ask for Bulletin 265.



This Portable Asphalt Plant is Suitable for All Paving Maintenance

Almost any type of pavement can be repaired economically and efficiently with a White Portable Asphalt Plant. Asphalt, brick, concrete, macadam, can be easily patched or resurfaced.

It will match any bituminous surface. Produces for immediate hot application or makes mix for deferred cold laying.

Contains internally fired rotating dryer, pug mill mixer, bituminous heating kettle, volumetric measurement, air controls. Mounted on pneumatic tires, or furnished for stationary operation. Capacities 4, 8, 12, 25 tons per hour.

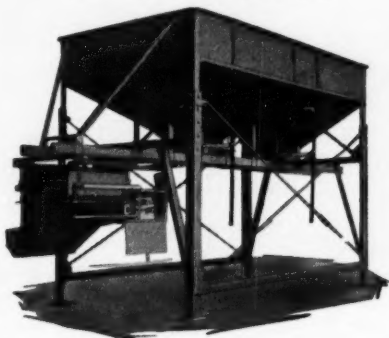
Write for Catalog

Elkert White Mfg. Co. Indiana

Winslow BINANBATCH

—Reduces Your Job Cost

Use with a
10S - 11S - 14S - 16S Mixer



Complete—with scale for two or three aggregates. With two or three overhead storage bins—23 and 40 ton cap. For use on culvert—bridge—curbing—foundation jobs. Wherever above size mixers are in operation.

PROMPT DELIVERY — WHITE OR WIRE

Manufactured by

WINSLOW SCALE CO.

TERRE HAUTE, IND.

Distributors Located throughout U.S.

45% BONUS

EXTRA DRILLING
FOOTAGE WITH THE NEW

Thor SINKER LEG



EXCLUSIVE
Roll Type
Throttle Control

EXCLUSIVE
Push Button Air
Bleeder Valve

EXCLUSIVE
Cylinder Mounting
for Positive Safety...
Longer Service Life

45% more drilling footage by actual tests! Fully automatic—a quick, easy setup—just start the hole—set the leg at any angle between 30 and 45 degrees... the leg does all the lifting—all the constant pressure feeding... control the feed with a turn of the wrist. See your Thor Distributor today!

INDEPENDENT PNEUMATIC TOOL COMPANY
AURORA, ILLINOIS

1405 West Washington Blvd., Chicago 7, Ill., Phone: Taylor 9-4300.
1411 Third Ave. N., Birmingham 4, Alabama, Phone: 3-5801.
1701 Fairmount Ave., Philadelphia 30, Pa., Phone: Stevenson 4-6804.

Thor PORTABLE POWER TOOLS

PNEUMATIC TOOLS • UNIVERSAL AND HIGH FREQUENCY
ELECTRIC TOOLS • MINING AND CONTRACTORS TOOLS

Southern Construction Projects

VIRGINIA

(Continued from page 50)

announced \$400,000 7,500 ml. painting job, will be carried out this year.

RICHMOND—Edwards Construction Co., P. O. 4215, will construct 17 residences 15th St., \$85,000.

RICHMOND—Department of Highways, received low bids for projects in following counties:

Princess Anne—Rt. 58, 1.65 mi., 4-lane divided highway; Ames & Webb, Inc., Norfolk, \$275,216.

Russell—Rts. 64 & 71, 2.84 mi., 22-ft. and 18-ft. pvt.; R. G. Pope Construction Co., Bristol, \$174,255.

Henric and Goochland—Rt. 6, 4.69 mi., 22-ft. pvt.; Adams & Tate Construction Co., Roanoke, \$161,114.

Henry—Rt. 687, 6.64 mi., hard surf.; Adams & Tate Construction Co., Roanoke, \$71,875.

Roanoke—Rt. 630, 0.80 mi., macadam surf.; Universal Construction Co., Salem, \$46,255.

Washington—Rt. 633, 3.43 mi., hard surf.; Adams & Tate Construction Co., Roanoke, \$39,122.

Isle of Wight—Rt. 620, 6.15 mi., stab. base; James P. Dillard, Richmond, \$44,237.

RICHMOND—State Highway Department, let contracts for projects in following counties:

Accomack—U.S. 13, 1.76 mi., dual highway; Hechler Brothers, Inc., Richmond, \$218,302.

Loudoun—Rt. 7, 3.7 mi., 22-ft. macadam; Richard F. Kline, Frederick, Md., \$269,036.

Pulaski—U.S. 11 and Rt. 100 highway interchange; Pendleton Construction Corp., Wytheville, \$103,621.

Caroline and Essex—Sec. rts. 625 and 735, 10.55 mi., new construction, Clyde R. Royals, Hampton, \$41,472.

Baltimore—Sec. rts. 615 and 685, 1.05 mi., new construction and substructure for bridge across Craig Creek; McDowell & Wood, Salem, \$47,072.

Bedford—Sec. rt. 805, 4.19 mi., new construction, T. F. Franklin, Salem, \$41,851.

ROANES—Board of Education let contract to C. E. Nuckols, Richmond, \$72,000 for ten room addition to Gloucester County Training School.

ROANOKE—Veterans Administration, Washington, D. C., received low bid from Salem Foundry & Machine Works, Salem, \$93,450 for elevators in buildings 74, 75, 76 and 77, Veterans Hospital.

STAUNTON—Dr. Joseph E. Barrett, Commr., State Hospital Board, Richmond, let contract to Virginia Engineering Co., 80 29th St., Newport News, \$1,770,000 for reception building and two recovery buildings for Western State Hospital.

STAUNTON—Board of Education received low bid from J. M. Turner, 137 W. Campbell Ave., Roanoke, \$208,902 for dormitory-class room at Virginia School for Deaf & Blind.

WEST VIRGINIA

General Services Administration, Washington, D. C., approved Federal office building for Huntington, \$4,700,000.

CHARLESTON—State Roads Commission, received low bids for projects in following counties:

Kanawha and Putnam—Proj. S-594(1), Allen Fork Rd.; Paul Price, C. E. Wetherall & Highway Maint. Co., Huntington, \$225,372.

Kanawha—Proj. S-62(2), Coon Creek Bridge Rd., Odum Construction Co., Huntington, \$98,791.

Marshall—Proj. 6718, Board Tree Rd., Allen Construction & Barnes Construction Co., Fairmont, \$2,046.

Monroe and Summers—Proj. S-10(4), Greenville-Forest Hill Rd.; Sutton Co., Inc., Radford, \$76,701.

Randolph—Proj. 7576, Carper Run Rd.; Stickley Brothers, Inc., Keyser, \$46,396.

Tyler—Proj. 6398, Friendly Little Rd.; Keeley Construction Co., Clarksburg, \$174,677.

Wirt—Proj. 6884, & 7545, Newark Rd.; Stickley Brothers, Inc., Keyser, \$164,907.

Wool—Proj. 6114 & 7840, New England Rd.; Shelley & Sands, Thornville, Ohio, \$150,065.

Hardy—Proj. ERS 11(2), Trumbo Br. S-1840; Harmon Brothers, Grafton, \$76,891.

Mingo—Proj. U-311(2), Williamson Bridge 1706; Pittsburgh Steel Co., Pittsburgh, Pa., \$132,836.

CHARLESTON—Housing Authority received federal loan of \$150,000, for low cost housing project.

CHARLESTON—Morris Harvey College plans expansion program, \$1,600,000.

ELKINS—City to receive \$20,000 federal loan plan preparation for addition to storm and sanitation sewer system and sewerage treatment plant, \$730,000.

Industrial—State Board of Control, Charleston, received low bid from Byrum Construction Co., 12th and Water Sts., Wheeling, \$93,965, for gymnasium West Virginia Industrial Home for Girls.

WHEELING—A delegation requested Congress for money to start construction \$700,000 dike and flood wall project to city.

DAVEY COMPRESSORS

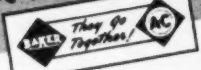


ONLY COMPRESSOR
WITH PERMANENT
PEAK
EFFICIENCY
LIFETIME
VALVES

DAVEY COMPRESSOR CO.
KENT, OHIO



NEW BAKER
Engine-Mounted
Bulldozer and
Gradebuilder
FOR THE A-C HD-5 TRACTOR

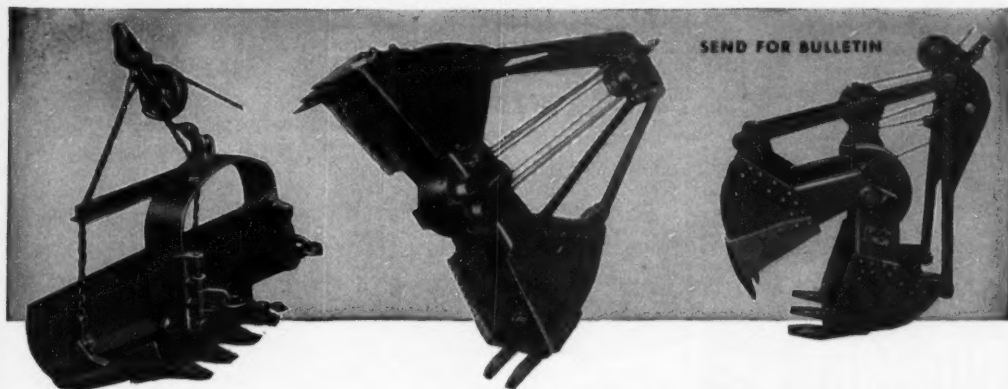


Here's a rugged, new combination . . . a perfect matching of tractor and blade for long-life and low-cost earth-moving. There are all the Baker features and advantages you expect and get in Baker design . . . direct lift with a minimum of working and wearing parts, positive down-

pressure, full service accessibility for tractor, high lift, low overhead, reliable, protected front pump, chrome-plated piston rods for long life of rods and packings. See one, try one at your Baker distributor today.

BAKER MFG. CO. . . Springfield, Ill.

BULLDOZERS • GRADE BUILDERS • SNOW PLOWS



SEND FOR BULLETIN

For Longer Life!

WELLMAN

Williams Type BUCKETS

• Count on longer life and more efficient service ... due to Wellman original **welded rolled steel** construction. You get the maximum digging power, and exceptional strength—without excessive weight! Specify Wellman, and you'll specify the best bucket for your purpose.

THE WELLMAN ENGINEERING COMPANY
7006 CENTRAL AVENUE CLEVELAND 4, OHIO

Shunk

Superior Quality
BLADES
AND CUTTING EDGES

For any make of machine:
Motor Graders, Motor
Graders, Scrapers, Dozers,
Buildings, Backfillers,
Wagon Scrapers, Trail
Builders, Trail Blowers,
Cottrells, Also—

CUTTING EDGES
WEARING BOOTS
EXTENSION BLADES
MOLDBOARDS
and
SCARIFIER TEETH

50 years of manufacturing
blades has developed
for you a special steel
milled through our own
rolls and forged at the
edges in give that extra
wearing quality you need.

All widths, lengths, and
thicknesses. S.A.E. S.A.D.
ready to fit your machine.

Consult your international
ally recognized Blade Spe-
cialists. Write for special
bulletins, giving type and
some of machines you
operate—get set for blades
right.

Shunk
MANUFACTURING COMPANY
Established 1838
BUCYRUS, OHIO

The Ninth of a Series in the interest of more efficient use of steel... a vital American resource

LACLEDE MULTI-RIB

REINFORCING BARS

NOW... Available by Number in
Standard Sizes of New A.S.T.M.
Serial Designation
A305-49 Table I



Thanks to A. S. T. M. specification A305-49, designers now have a more efficient bar for concrete reinforcement... one that provides increased anchorage which when properly used will give appreciable savings in steel and concrete. Advanced design Laclede Multi-Rib Reinforcing Bars exceed the A305-49 specification. They are available in uniform round sections in all standard sizes and can now be ordered by number.

TABLE I A.S.T.M. SERIAL DESIGNATION A305-49
Dimensional Requirements for Deformed Steel Bars for Concrete Reinforcement

Bar No. *	Unit Wt. Lbs./Ft.	NOMINAL DIMENSIONS ROUND SECTIONS			REQUIREMENTS OF DEFORMATIONS		
		Diameter-Inches Decimal	Cross Sectional Area Sq. Inches	Perimeter	Max. Avg. Spacing Inches	Min. Height Inches	Max. Gap Inches †
3	0.376	.375	0.11	1.178	0.262	0.015	0.143
4	0.668	.500	0.20	1.571	0.350	0.020	0.191
5	1.043	.625	0.31	1.963	0.437	0.028	0.239
6	1.502	.750	0.44	2.356	0.525	0.038	0.286
7	2.044	.875	0.60	2.749	0.612	0.044	0.334
8	2.670	1.000	0.79	3.142	0.700	0.050	0.383
9*	3.400	1.128	1.00	3.544	0.790	0.056	0.431
10*	4.303	1.270	1.27	3.990	0.889	0.064	0.487
11*	5.313	1.410	1.56	4.430	0.987	0.071	0.540

*These sections have the same weight and area as bars formerly known as 1" Sq., 1 1/8" Sq., and 1 1/4" Sq.

†Chord of 12 1/2% of Nom. Perimeter.

*Bar numbers are based on number of 1/8" included in the nominal diameter of the bar section.

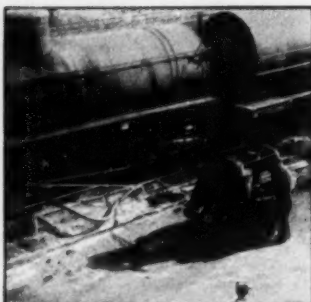
— Write us —

About specifying LACLEDE MULTI-RIB BARS on your jobs



LACLEDE STEEL COMPANY

St. Louis, Mo.



LITTLEFORD "Tanker" STEAM HEATER



*provides steam
in two minutes time*

FROM A COLD START Here's a steam producing unit for Unloading Tank Cars that gives 200 lbs. of steam pressure in two minutes time. It is the fastest steam producing unit on the market today. It's designed to unload tank cars of Asphalt, Tar, Emulsions, Cut-back, etc., yet can also be used for cleaning, thawing, pile driving, heating buildings, winter concrete curing and ore mining.

COMPLETELY AUTOMATIC — there's no steam producing unit that heats as fast, is as safe and foolproof as the "Tanker" Steam Heater. It's automatic in feeding the water, stopping the burner, controlling the temperature and steam output and lighting the burner. The Littleford "Tanker" Steam Heater is small, compact, light weight and is mounted on Pneumatic Tired Wheels for fast trailing. Secure more information on this amazing steam producing unit from your nearest Littleford distributor.

DISTRIBUTORS

R. S. Armstrong & Bro. Co.
Atlanta, Ga.
Banks-Miller Supply Co.
Huntington, W. Va.
Bell-Lott Road Machinery Co.
West Columbia, S. C.
Browning-Ferris Machinery Co.
Dallas & Houston, Texas
Chetaw, Inc., Memphis, Tenn.
J. D. Cogges Co., Albuquerque, N. M.
Construction Machinery Co., Shreveport, La.
E. F. Craven Co., Greensboro, N. C.
Fletcher Equip. & Supply, New Orleans, La.
Lowell Machinery Corp., Miami, Fla.
John C. Lewis Co., Inc., Baltimore, Md.
M. D. Moody & Sons, Inc., Jacksonville, Fla.
Plains Machinery Co.
Amarillo & Abilene, Tex.
O. S. Stapley Co., Phoenix, Arizona
Miller G. Williams Mch. Co.
Montgomery, Ala.
Wilson Machinery & Supply
Lexington, Kentucky
Witman-Woodner-Wilkinson Co.
Nashville, Tenn.



405 E. Pearl St., Cincinnati 2, Ohio

New Attachment for Tungsten Carbide Bits

Ingersoll-Rand engineers have developed an attachment primarily for use with tungsten carbide bits. The attachment is of the shoulder type employing a patented 38-degree reverse-buttress thread. It was developed particularly to resist shock and impact while still preventing slippage, excessive thread wear, or loss of drilling speed.

The form, pitch, and size of the thread used have been selected so as to give both attachment and bit maximum thread life. Effect of the matching 38-degree surfaces in the bit and on the attachment is to cushion and absorb the destructive reciprocating and rotational forces that tend to ruin bit threads or to break the threaded extensions on drill rods. According to the company, the threads on the attachment are designed to last for the life of the bit.

Wilkinson Appointed General Sales Manager

John W. Wilkinson is appointed general sales manager of the McKiernan-Terry Corp. with plants at Harrison and Dover, N. J., manufacturers of heavy material handling equipment, marine equipment, special machinery and pile hammers. Mr. Wilkinson has, for the past ten years, been associated with the Pomona Pump Division of Fairbanks, Morse & Co. as their field project engineer directing sales activity in the eastern area.

Kwik-Mix Improves Plaster-Mortar Mixers

The Kwik-Mix Co. of Port Washington, Wisc., has announced important changes in design features affecting both the 6 cubic foot model 6-P and the 10 cubic foot model 10-P plaster-mortar mixers currently being produced by the company.

Outstanding improvement on the smaller model 6-P makes it possible to reduce the overall width of the machine to 33 inches. This allows the machine to be moved through standard width doorways for indoor operation. The machine's standard width of 44



Improved Kwik-Mix Unit.

inches is easily reduced by removing four bolts and telescoping the axle to the narrow 33 inch width.

Easier cleaning of the mixer drum is another improved feature devised for the 6 cubic foot Kwik-Mix mixer. A handy toggle and lever arrangement, conveniently located near the operator, opens the drum drain plug. This eliminates crawling under the machine to unscrew the standard type pipe plug.

Major improvement incorporated in the larger 10 cubic foot Kwik-Mix mixer is the addition of an automatic water measuring tank. This is a self cleaning device that delivers the correct volume of water into every batch of plaster or mortar. With a capacity of 10 gallons, the tank is accurate to a fraction of a pint whether or not the machine is standing on level ground.

New PORTABLE and STATIONARY ..

CUMMER ASPHALT PLANTS

- All moving parts individually motor driven eliminating all chain and belt drives.
- Capacity—Guaranteed 50 to 100 tons per hour. Based on 5% initial water content, dried to within 1/2 of 1% and heated to 350 degrees to 400 degrees Fahrenheit. Can be furnished with own axles and pneumatics.

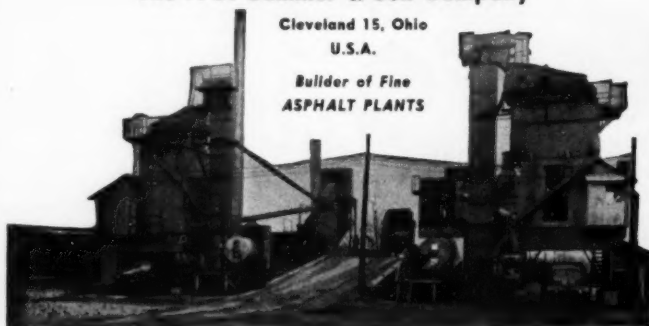
PROMPT SHIPMENT OF ALL SIZES

Feeders — Storage Bins — Pumps — Timer
Literature on Request

The F. D. Cummer & Son Company

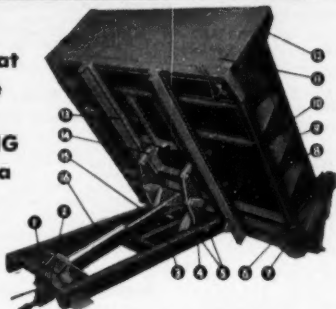
Cleveland 15, Ohio
U.S.A.

*Builder of Fine
ASPHALT PLANTS*



'ANTHONY "DUMPS" HAVE THE Features

Features that add to the LIFE and EARNING POWER of a DUMP TRUCK



1. "Non Thrust" Roller Bearing Pump.
2. "Balanced" Piston - type Control Valve.
3. Double "T" Members.
4. Double Arm "Power-Speed" Hoist.
5. Double Shafts.
6. Non-binding Offset Tail-gate Hinges.
7. Enclosed Rear and Front Corner Braces.
8. Top Body Rolls extra wide.
9. Closed-in Pyramid "V" Type Side Braces.
10. Running Boards 6" wide.
11. Internally Braced Body End.
12. Double Gusset Side Board Pockets.
13. Telescopic Tipping Frame.
14. Double Arms.
15. Piston Shaft extra large.
16. Cylinder seamless steel.

ANTHONY CO., Streator, Illinois

•• DREDGES ••

HYDRAULIC • DIPPER CLAMSHELL

Bolted sectional steel hulls for landlocked, inland waters

If you need a dredge, write us!

AMERICAN STEEL DREDGE CO. INC.
FORT WAYNE 1 • INDIANA • U.S.A.

DESIGNERS AND BUILDERS OF DREDGING EQUIPMENT SINCE 1906

Foundation
Test
Borings
& Grouting

PENNSYLVANIA DRILLING CO.

Pittsburgh 20, Pa. Walnut 1-5816

Industrial
& Municipal
Water
Development

MOTT CORE DRILLING COMPANY

Diamond Core Drilling Contractors

Diamond Core Test Borings for Bridges, Dams, Buildings,
High Pressure Grouting by Contract,
Foundation Testing, DTY Core Sampling,
Wash Borings and Soundings.

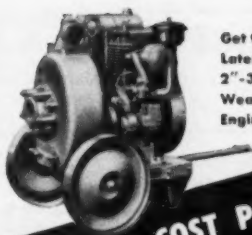
MAIN OFFICE & SHOPS, HUNTINGTON, W. VA.

PHONE 7181

TINNEY DRILLING COMPANY

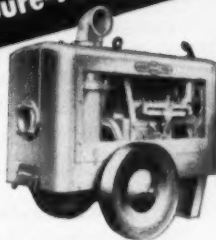
Diamond Core Drilling

CORE BORINGS for Foundations, Dams, Bridges and
all Heavy Structures — GROUT HOLES
Grafton, West Virginia



Get Our New Low Price on Latest Heavy Duty 2"-3" Models with Weather-Shielded Engines.

LOW COST PUMPING with Jaeger Sure-Primes



For actual priming speed, vacuum, capacity and pressure, for gallons of water moved per gallon of fuel, for self-cleaning ability, freedom from breakdowns and hours of service per dollar of purchase cost, your Jaeger distributor invites you to compare a Jaeger "Sure Prime" with any pump of like size and rating on the market.

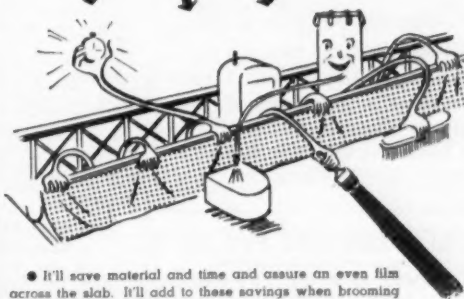
4", 6", 8", 10" Pumps: Standard models to move big volume at low cost; "Pressure" models for work requiring higher heads.

Jaeger housings provide bigger fuel tanks and easier accessibility to engines—an exclusive feature.

THE JAEGER MACHINE COMPANY, Columbus 16, Ohio

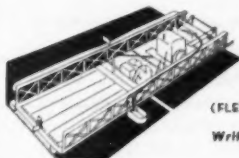
COMPRESSORS • MIXERS • HOISTS • PAVING EQUIPMENT

that **COST CUTTING, AUTOMATIC, FLEX-PLANE SPRAY-CURING MACHINE**



• It'll save material and time and assure an even film across the slab. It'll add to these savings when brooming and permanent traffic line installing attachments are used on the spray machine and operated simultaneously.

To the basic spray machine, for small cost, any of these attachments may be added: Permanent Traffic Line Installer; Brooming, Belling or Barling Drugging attachments.



FLEX-PLANE
WARREN OHIO

(FLEXIBLE ROAD JOINT MACHINE CO.)

Write for Bulletin J-100-M

NEW ACCOUNTS WANTED

Southern machinery distributor interested in securing following lines:

METAL CULVERTS
CONCRETE MIXERS
LEAF COLLECTORS
COMPRESSORS
SWEEPERS

Write Box NAW 264, c/o Construction, Baltimore 3, Md.

Lines Wanted By Southern Dealer Located in One of South's Largest Cities:

PNEUMATIC TOOL LINE
SHOVEL LINE
CONCRETE MIXER LINE
POWER UNIT LINE
DITCHER LINE
BULLDOZER LINE
WIRE ROPE LINE
CONCRETE CUTTER LINE
SAW LINE
CONVEYOR LINE
MINE BLOWER LINE
GASOLINE DRIVEN
GENERATOR LINE

BOX NAW 265, c/o CONSTRUCTION
Baltimore 3, Md.

ESTABLISHED SOUTHERN JOBBER Desires lines for specialty items associated with construction. Address Box NAW 266, c/o CONSTRUCTION, Baltimore 3, Maryland.

GRAY CONCRETE PIPE CO.

Manufacturers Plain and Reinforced
SEWER AND CULVERT PIPE

All sizes for all purposes

PLANTS: Thomasville, N. C., 299 Randolph St., Phone 419; Hagerstown, Md., East Jefferson St., Phone 2985; Baltimore, Md., 6313 Eastern Ave., Phone 614; Highway 4614; Arlington, Va., 2777 Jefferson Davis Highway, Phone Jackson 2984.

Southern Construction

(Continued from page 42)

new construction put in place at about \$1,400,000,000, off five per cent from January, but 21 per cent more than the total for February last year.

Non-farm home building has contributed a major share to construction activity this winter. Private residential building valued at \$600,000,000 in February was 50 per cent above a year ago and it accounted for more than 55 per cent of total private outlays for new construction.

The total value of privately-financed construction put in place during February was \$1,078,000, about 19 per cent above February 1949, despite a substantial drop over the year in industrial building and some falling-off in commercial and public utility construction.

Public construction expenditures amounted to \$336,000,000 in February, down six per cent from January, largely as a result of the seasonal decline in highway work. However, all types of public construction activity contributed to an increase of 26 per cent over February 1949 in the total volume of publicly-financed construction.

Amount of new construction put in place during the past four months has surpassed all previous records of mid-winter construction volume, including war construction in the winter of 1941-42 in terms of physical volume.

Model 543 Bucket Loader

Newest addition to the portable "Constant Flow" material handling equipment is the pneumatic-tired Model 543 bucket loader. Built by Barber-Greene Company, Aurora, Ill., manufacturer of material handling equipment and roadbuilding machinery, the new 543 incorporates important new design features.

An outstanding feature is the 15 M.P.H. road speed of the 543. Steering, through a truck type worm and roller, is as simple as driving your truck, and allows easy maneuvering in cramped places. Of practical design, the new B-G bucket loader is an economical truck loading tool, ideal for aggregate producers, counties, cities, state highway departments, industrial plants, material yards, railroads. Two forward and two reverse speeds allow operator to compensate for material being handled and power requirements. High reverse gives fast out-of-pile speed to escape cave-ins.

An advantage of the new Model 543 truck loader is automatic load trimming possible with the power hydraulic controlled swivel loading conveyor. Swivel conveyor may be purchased in either 13-foot-7-inch or 16-foot-7-inch lengths.

Engine Choice Offered In C Roadster Tournapull

A new plan under which customers may have their choice of engine when ordering the C Roadster Tournapull is announced by R. G. LeTourneau, Inc., Florida, Ill., manufacturer of heavy earthmoving equipment. The tool now is available with either a General Motors 6-71, Cummins HBI-600 or Buda 6-DC-84 engine.

The C Roadster Tournapull can be used as

a prime-mover for a 16-ton Carryall Scraper; or a Tournarocker, LeTourneau's rear dump rock wagon; or the Tournahopper, their bottom-dump hauling crane.

The C Roadster now is built for operation at a higher top speed. It is now equipped with a heavy-duty five-speed transmission with a top road speed of over 30 miles per hour in 5th gear. This machine has the four working speeds previously available (ranging from 3.0 to 19.8 mph) plus the high return speed, which, LeTourneau points out, can be used to good advantage in cutting down cycle time on many jobs.

Cook Bros. Distribute Challenge Truck Mixer

J. E. Hall, sales manager for Cook Brothers Equipment Co., Los Angeles, Calif., has recently announced the appointment of his company as the exclusive national distributor for Challenge truck mixers. The Challenge Mixer has been manufactured for several years in the 3-yard size, and distributed in the eleven western states. Mr. Hall states that now, however, it also is being manufactured in a 5-6-yard size.

Boehm New Eastern Manager

Appointment of A. M. Boehm as Eastern Manager, Engine Division has been announced by John J. Summerby, Vice President in charge of sales, Worthington Pump and Machinery Corp. Mr. Boehm will handle sales negotiations for gas and oil pipe lines equipment and oil and gas engines for all services, and will continue to make the corporation's New York District Office his headquarters.

Mr. Boehm has served Worthington for twenty-five years as an engine sales specialist assigned to various District Offices throughout the country. He succeeds W. L. Russell who has been assigned to handle Canadian sales for the John Inglis Co., Worthington's Canadian Associate.

Van Zelm Quits Martin

William D. van Zelm has resigned from his position as chief of new design at the Glenn L. Martin Co., Baltimore, Md., to form a consulting engineering firm with offices in Baltimore.

FOR SALE

10—1948 and 1949 Int'l. Model KBS10 tractors.

6—Int'l. Model KR11, 161" wheel-base trucks for mixers.

12—Tank trailers for gas, oil or water use.

1—Autocar, 5½ yard mixer truck, practically new.

Equipment priced for quick sale.

BERMAN SALES CO.

R.D. #1 Pennsburg, Pa.
Phone Pennsburg, Pa. 521

DEPENDABLE USED MACHINES

Browning 20 ton erectors crane

Segond Model 200 backhoe

Universal truck crane

Pioneer port. gravel plant

Lippman 18x30 port. hammermill

Int. UD-12 Diesel power unit

New Morris 10" pump, cheap

TRACTOR & EQUIPMENT CO.

10008 S. Ridgeland Ave., Oak Lawn, Ill.

SYDNOR PUMP & WELL CO. INC.

ESTABLISHED 1888

We Specialize in Water Supply and in Pumping Equipment

1306 BROOK ROAD, RICHMOND 22, VA.

VIRGINIA ENGINEERING COMPANY, INC.

Government — INDUSTRIAL — Municipal

GENERAL CONTRACTORS

NEWPORT NEWS, VIRGINIA

SALEM ELEVATORS

for Vertical Transportation

Passenger and Freight

Electric or Hand Power

Quality Gray Iron Castings and Machine Work

SALEM FOUNDRY & MACHINE WORKS, INC., SALEM, VIRGINIA

FOR SALE

1. 1—LeTourneau 12 to 15 yd. pan, tires 18" x 24" \$3,500.00
2. 1—HD-10 Allis-Chalmers Bulldozer with Baker Hydraulic Blade, purchased new 1948 \$8,000.00
3. 1—HD-14 Allis-Chalmers Bulldozer with Baker Hydraulic Blade, also equipped with double drum power take-off for scraper work \$8,000.00
4. 1—LeTourneau Tournapull, 12 to 15 yd. capacity, Super C, purchased new 1948, 150 HP Cummins Diesel motor \$8,500.00
5. 1—Heavy duty Osmond Combination Crane & Borel Equipped with 45 beam, 1 yd. Blaw Knox bucket also equipped with shovel front and digger stick. Has some 90 hp. G.M. diesel motor \$7,500.00
6. 1—TD-18 International Tractor with 12 Bulldozer blade, also equipped with double drum power take-off for scraper work. New 1948 \$8,500.00
7. 1—Garwood 12 to 15 yd. Pan. Purchased new March 1948 \$4,000.00
8. 1—D-7 Caterpillar Tractor with Bulldozer Blade, also equipped with double drum power take-off for pan or scraper work \$9,000.00
9. 1—2 Bag Ransome Mixer equipped with batch meter, on four pneumatic tires, also equipped with scales and 3 pneumatic tired concrete carts \$1,200.00

WALLER PAVING COMPANY
Sallsbury, Maryland Phone 7691

FOR SALE

2 Koehring
Gantrys
Convertible
to Caterpillars



Reply Box 9756
c/o CONSTRUCTION
Baltimore 3, Md.

LET THIS OSGOOD 805 "MOBILE-CRANE" DO YOUR LIFTING JOB

It's the one man outfit that saves you dollars on any erection or utility job . . . it's rubber tired, 14 wheeled, one engine operated with independent motions of hoist swing and travel boom . . . what more do you want?

Its safe lifting capacity ranges from 80,000 pounds on a 12 foot radius to 9,200 pounds at 80 feet. See it in action on your job . . . watch its performance, then decide . . . it's OSGOOD. This machine has been slightly used and is a bargain at \$30,000. Immediate delivery from our yard.

ARMSTRONG EQUIPMENT CO.
4601 First Ave., North, Birmingham, Ala.
Tel. 9-2134

ROLLERS FOR RENT

Day, Week or Month • New & Used

Rental Purchase

Tandem	3-Wheel	
5-8 Ton	12 Ton	8 Ton
3-5 Ton	10 Ton	5 Ton

ACME IRON WORKS

Manufacturers Ingram Rollers

P. O. Box 2020 P-8141 San Antonio, Texas

USED EQUIPMENT FOR SALE

Others Save Money on the Bargains
You Overlook

- 1—D Roadster Tournapull
 - 2—Super C Tournapulls
 - 1—LeTourneau Model LP Scraper
 - 1—LeTourneau Model FP Scraper
 - 1—LeTourneau Model M Scraper
 - 2—LeTourneau Model LS Scrapers
 - Heil Hydraulic 8 Yard Scraper
 - Bucyrus-Erie 16-B Crane
 - Caterpillar Patrol Model 11
 - Gallon Grader Model 103
 - Gallon Grader Model 101
 - Adams-511 Motor Grader
 - Gallon 5 to 8 ton Tandem Rollers
 - Erie Strayer Portable Concrete Plant complete
 - D7 Caterpillar Tractor with LeTourneau Doser, and P.C.U.
 - TD18 International Tractor with Doser and P.C.U.
 - TD18 International Tractor with Angledozer and P.C.U.
 - RD4 Caterpillar Tractor with Hydraulic doser
 - All sizes of Diesel and gas power units
- Write—Phone—Wire
- GILL EQUIPMENT COMPANY**
1201 LaFrance St., N. E. Atlanta, Ga.
Crescent 2616

Rent With Purchase Option Paving Equipment Excavating Equipment

Forms, Bins, Finishers, Spreaders, Pavers,
Tournapulls—Scrapers—Tournadozers, etc.
DRAVO-DOYLE COMPANY, PITTSBURGH, PA.

Equipment Values!

Tractor-Doser-Scraper — Caterpillar Diesel RDS, w/LeTourneau angledoser, LeTourneau double drum power control unit, LeTourneau Model F scraper. Entire unit checked over, cleaned, painted. FOB Louisville. \$10,750.00

Engine-Power Unit — Caterpillar Diesel, D13000Y, in good running condition. FOB Louisville. \$3,250.00

Mixer—Jaeger, two-bag, with powered skip, mounted on 2 pneumatic tires. A practically new mixer. FOB Louisville. \$1,275.00

Traxcavator — Caterpillar Diesel D4, w/1 yard, 73" bucket and street plates. Checked over, cleaned, painted and ready to go. FOB Louisville. \$3,350.00

Motor Grader — Caterpillar No. 12, with scarifier. In excellent condition. At casual glance it resembles a new machine. FOB Louisville. \$6,850.00

Tractor-Doser — Allis-Chalmers, Diesel HD14. Wide gauge tractor with Gar Wood hydraulic dozer. Checked over, cleaned, painted. Lots of work left in this unit. FOB Louisville. \$3,750.00

ROY C. WHAYNE
SUPPLY CO.
800 W. MAIN ST. • LOUISVILLE, KY
Evansville, Ind. Paducah, Ky.

FOR SALE

2500 Rounded Point
SCOOP SHOVELS

\$50 ea. — on complete 1st basis

MATLOW CORPORATION
922 Burnett Avenue Syracuse, New York

OFFICE PHONES: MULberry 8775—8776. Long Distance 266

RENTAL EQUIPMENT COMPANY

We Rent Construction Equipment of All Kinds

5515 BULWER AVE. - ST. LOUIS 7, MO.

(5600 North—One Block East of Broadway)

INDEX OF ADVERTISERS

- A -	
ACME IRON WORKS	57
ALBERT PIPE SUPPLY COMPANY, INC.	—
Agency—Wm. Von Zehle & Co., Inc.	—
ALLIS-CHALMERS TRACTOR DIV.	—
Agency—Bert S. Gittins	—
AMERICAN STEEL & WIRE CO.	23
Agency—Batten, Barton, Durstine & Osborn	—
AMERICAN STEEL DRESSING COMPANY	55
Agency—Willis S. Martin	—
ANTHONY COMPANY	55
Agency—The Hiddle Co.	—
ARMSTRONG & BRO. CO., R. S. (Georgia State Section Only)	12, 13
ARMSTRONG EQUIPMENT CO.	57
ATLANTIC STEEL CO.	—
Agency—Lowe & Stevens	—
AUSTIN-WESTERN COMPANY	60
Agency—The Advertising Corp.	—
AUTOLINE OIL CO. (Maryland State Section)	11
Agency—Batten, Barton, Durstine & Osborn	—
- B -	
BAKER MANUFACTURING COMPANY	52
Agency—Ervin R. Abramson	—
BELL BOTTOM FOUNDATION CO.	58
BERMAN SALES CO.	56
BIRMINGHAM SLAG CO. (Alabama, Florida & Mississippi State Sections Only)	13
Agency—Silver & Douce Co.	—
BLAW-KNOX DIVISION	42, 43
Agency—Russell T. Gray, Inc.	—
BOX HAW 236 (West Virginia State Section)	14C
BOX HAW 234, 245 & 246	54
BOX 9756	57
BUCHSUS-ERIE	25
Agency—Bert S. Gittins	—
BUTLER BIN CO.	50
Agency—Davis-Greene Corp.	—
- C -	
CAREW STEEL PRODUCTS CORP.	5
Agency—W. H. Long Co.	—
CATERPILLAR TRACTOR COMPANY	19
Agency—N. W. Ayer & Son, Inc.	—
CHATANOOGA BOILER & TANK CO.	—
Agency—The Purse Co.	—
CHRISTHILF & CO., INC., STUART M. (Maryland State Section Only)	—
CLEVELAND TRENCHER COMPANY	—
Agency—Gates-Bourgeois	—
CLIPPER MFG. CO.	—
Agency—Potts-Turnbull Co.	—
COLUMBIA STEEL CO.	23
Agency—Batten, Barton, Durstine & Osborn	—
CONCRETE SURFACING MACHINERY CO.	—
CONSTRUCTION EQUIPMENT CO. (Alabama State Section Only)	13
CONSTRUCTORS SUPPLY CO. INC. (North Carolina State Section Only)	14
CONTRACTORS EQUIPMENT CO. (West Virginia State Section Only)	14C
CUMBERLAND PORTLAND CEMENT CO.	29
Agency—George H. Hartman Co.	—
CUMMER & SON CO., F. D.	54
Agency—W. N. Gates Co.	—
- D -	
DAVEY COMPRESSOR CO.	—
Agency—Palm & Patterson	—
DETROIT DIESEL ENGINE DIV.—G. M. Corp.	2
Agency—Kudner Agency, Inc.	—
DICKY CLAY MANUFACTURING CO., W. S.	48
Agency—Homer J. Buckley & Associates	—
DRAVO-DOYLE COMPANY	57
- E -	
ECONOMY FORMS COMPANY	—
Agency—The Blakemore Company	—
ELLCOTT MACHINE CORP.	—
Agency—Van Sant, Dugdale & Co.	—
ELPHINSTONE, INC., D. C. (Maryland State Section Only)	14D
EUCOID ROAD MACHINERY CO.	31
Agency—Bayless-Kerr Company	—
- F -	
FALLSWAY SPRING & EQUIP. CO. (Maryland State Section Only)	14D
FLEX-PLANE	55
Agency—Neek & Thomas, Inc.	—
FOOTE COMPANY, INC.	40, 41
Agency—Russell T. Gray, Inc.	—
FREE STATE EQUIPMENT CO., INC. (Maryland State Section Only)	—
- G -	
GALION IRON WORKS & MFG. CO.	—
Agency—Morgan Advertising Co.	—
GARDNER-DENVER COMPANY	—
Agency—The Buchen Company	—
G. M. CORP. DETROIT DIESEL ENG. DIV.	2
Agency—Kudner Agency, Inc.	—
GILL EQUIPMENT CO.	57
GORMAN-RUPP CO.	47
Agency—Coleman Todd & Associates	—
GRAY CONCRETE PIPE COMPANY	56
- H -	
HAERNISCHFEGGER CORPORATION	27
Agency—The Buchen Company	—
HENDRIX MANUFACTURING CO., INC.	30
Agency—Svolos Advtg. Agency	—
HERMITAGE PORTLAND CEMENT CO.	21
Agency—George H. Hartman Co.	—
HETHERINGTON & BERNER, INC.	—
Agency—Caldwell, Larkin & Co., Inc.	—
HUBER MANUFACTURING COMPANY	8, 9
Agency—Jay H. Malish Company	—
- I -	
INDEPENDENT PNEUMATIC TOOL CO.	51
Agency—Connor & Watson	—
INSLEY MFG. CO. (Kentucky, Virginia, West Virginia State Sections)	—
Agency—Perkins & Co. A. L.	—
INTERNATIONAL HARVESTER CO.	28, 29, 34
Agency—Aubrey, Moore & Wallace, Inc.	—
Agency—Young & Rubicam	—
- J -	
JAEGER MACHINE COMPANY	55
Agency—Mumm, Mulloy & Nichols	—
JOHNSON CO., C.	—
Agency—Arnold Andrews	—
- K -	
KOEHRING CO. (Kentucky, Missouri & Oklahoma State Sections)	12, 13
KOEHRING CO. (Maryland, Tennessee, Virginia, West Virginia State Sections)	14, 14A
Agency—Arnold Andrews	—
KWIK-MIX CO.	—
Agency—Arnold Andrews	—
- L -	
LACLEDE STEEL COMPANY	53
Agency—Eggers-Bankin	—
LETOURNEAU, INC., R. G. (South Carolina State Section)	—
Agency—Arnold Andrews	—
LIMA SHOVEL CRANE DIVISION	—
Agency—G. M. Basford Co.	—
LINK-BELT SPEEDER CORPORATION	—
Agency—Don Proctor, Advertising	—
LITTLEFORD BROS., INC.	54
Agency—Jaap-Gir Co.	—
- M -	
MARION POWER SHOVEL COMPANY	59
Agency—Jay H. Malish Co.	—
MARTIN MACHINERY & SUPPLY CO. (Tennessee State Section Only)	13
MATLOW CORP.	57
MCGHAN PATENT SCAFFOLDING CO. (Maryland State Section Only)	14C
MOTT CORE DRILLING COMPANY	55
- N -	
NORTHWEST ENGINEERING COMPANY	3
Agency—Russell T. Gray, Inc.	—
NO. 9742 (Virginia State Section Only)	14C
- O -	
OCONEE CLAY PRODUCTS CO. (Alabama, Florida, Georgia, South Carolina, Tennessee State Sections)	—
Agency—Mr. A. Promotional Service	—
OLIVER CORPORATION, CLETRAC DIV.	—
Agency—The Buchen Company	—
OWEN BUCKET COMPANY	—
Agency—T. H. Ball & Sons	—
- P -	
PARK TRACTOR CO., GEORGE (Georgia State Section Only)	14A
PARSONS CO.	—
Agency—Arnold Andrews	—
PATENT SCAFFOLDING CO.	—
Agency—Glenn-Jordan-Stoetzel	—
PENNSYLVANIA DRILLING COMPANY	55
Agency—Edward M. Power Co., Inc.	—
POULAN SAW CO.	—
Agency—Bozell & Jacobs	—
- Q -	
"QUICK-WAY" TRUCK SHOVEL COMPANY	4
Agency—Shaw-Shump Advtg. Agency	—
- R -	
RENTAL EQUIPMENT COMPANY	57
RISH EQUIPMENT CO. (Virginia & West Virginia State Sections Only)	11
- S -	
SALEM FOUNDRY & MACHINE WORKS	56
SEAMAN MOTORS, INC.	33
Agency—Davis-Greene Corp.	—
SHUNK MFG. CO.	53
Agency—Morgan Advertising Co.	—
SMITH ENGINEERING WORKS	—
Agency—Cramer-Kassit Co.	—
SOUTHERN LIGHTWEIGHT AGGREGATE CORP. (North Carolina, South Carolina State Sections Only)	13
SOUTHERN LIGHTWEIGHT AGGREGATE CORP. (Virginia State Section Only)	14C
Agency—Cabel Eanes, Inc.	—
STATHAM MACHINERY & EQUIP. CO. (Georgia State Section Only)	14C
STOCKBRIDGE STONE CO. (Georgia State Section Only)	14B
Agency—Silver & Douce Co.	—
SYDNOR PUMP & WELL CO., INC.	56
- T -	
TENNESSEE COAL, IRON & RAILROAD CO.	23
Agency—Batten, Barton, Durstine & Osborn	—
TINNEY DRILLING CO.	55
TRACTOR & EQUIPMENT COMPANY	56
TRACTOR & MACHY, CO. (Georgia State Section Only)	—
TRI-STATE, INC. (Georgia State Section)	—
Agency—Charles A. Rawson	—
TUCKER STEEL CORP. (Ky. State Section)	14
TUCKER STEEL CORP. (Tenn. State Section)	14C
TWIN STATES EQUIPMENT CO. (North & South Carolina State Sections Only)	13
TYRONE ROCK PRODUCTS CO. (Georgia State Section Only)	14D
- U -	
UNITED STATES RUBBER COMPANY	—
Agency—Fletcher D. Richards, Inc.	—
UNITED STATES STEEL EXPORT CO.	23
Agency—Batten, Barton, Durstine & Osborn	—
UNIVERSAL FORM CLAMP CO.	32
Agency—Ross Llewellyn, Inc.	—
- V -	
VIRGINIA BRIDGE COMPANY	35
VIRGINIA ENGINEERING CO., INC.	56
- W -	
WALLER PAVING CO.	57
WELLMAN ENGINEERING CO.	53
Agency—Grissold-Eshleman Co.	—
WHAYNE SUPPLY CO., ROY C.	57
Agency—Zimmer, McClaskey & Kintner	—
WHITE MANUFACTURING COMPANY	51
WINSLOW SCALE CO.	51

DRILLED and BELLED FOOTINGS

Gravel Testing—Architects' & Engineers' Testing
UNDERPINNING

BELL BOTTOM FOUNDATION COMPANY

Exclusive User of Reamer Patent No. 2401515

Phone WY. 9-2727—4655 Telephone Road, Houston, Texas
Phone 7-1413—Route 2, Box 331, Austin, Texas
Phone PT-1421—1208 So. Industrial Blvd., Dallas, Texas





362 MARION

a VERSATILE Machine
with a PROVEN Record of
DEPENDABLE Performance

(OVER 400 MARION 362
Machines in Service Today)

MARION POWER SHOVEL COMPANY

Offices and Warehouses in all Principal Cities
SEE YOUR MARION DISTRIBUTOR:—

OGDEN EQUIPMENT CO.
2342 Edwards Ave., Jacksonville 4, Fla.

HAWKINS EQUIPMENT CO.
1475 Thomas St., Memphis, Tenn.

RICHMOND MACHINERY & EQUIPMENT CO.
1701 Rosemeath Road, Richmond 6, Va.

OSBORNE EQUIPMENT CO.
Market at Front St., Knoxville 4, Tenn.

MARION POWER SHOVEL CO.
411 N. 7th St., Suite 713, St. Louis, Mo.

MARION POWER SHOVEL CO.
1016 Baltimore Ave., Kansas City 6, Mo.

MARION POWER SHOVEL CO.
901 American Life Bldg., Birmingham, Alabama

MARION POWER SHOVEL CO.
4821 Elsie Ave., Dallas, Texas

MARION, OHIO, U.S.A.

LOUISIANA INDUSTRIAL EQUIPMENT CO.
2346 N. Foster Drive, Baton Rouge, La.

MARTIN-LUMBY CO.
1845 Plantation Road, Dallas 9, Texas

SOUTH TEXAS EQUIPMENT CO.
550 Navigation Blvd., Houston 1, Texas

EQUIPMENT SUPPLY COMPANY
118-120 S. Campbell, El Paso, Texas

88-H..99-H..MASTER "99"

The Power Graders That Have Everything

- | | |
|-----------------------|-------------------------------|
| ✓ All-Wheel Drive | ✓ High-Lift Blade |
| ✓ All-Wheel Steer | ✓ Extreme Blade Reach |
| ✓ Precision Sideshift | ✓ Completely Reversible Blade |
| ✓ Controlled Traction | ✓ Full Hydraulic Control |



1950 13th
In ~~1949~~ for the ~~12th~~ Consecutive Year

no other graders will perform so many construction and maintenance jobs so well. Your nearby Austin-Western distributor will be glad to tell you the whole story.

AUSTIN-WESTERN COMPANY, AURORA, ILLINOIS, U. S. A.

Austin Western

